

Builders' Guide

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January 7, 1925

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and the Material and Equipment Trades

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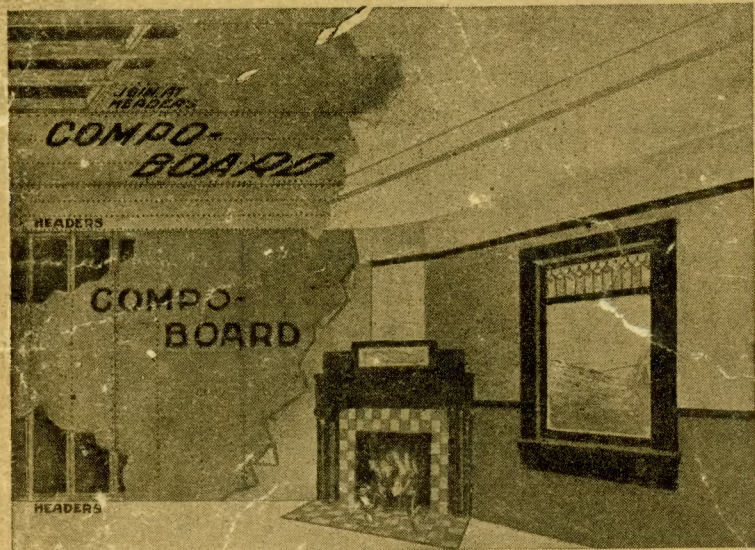
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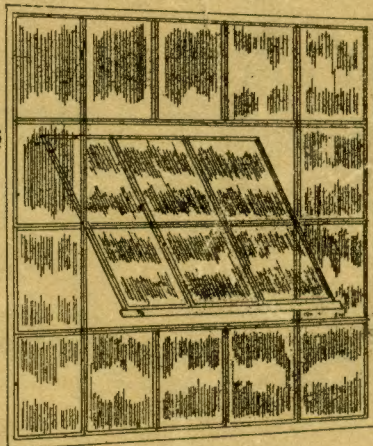
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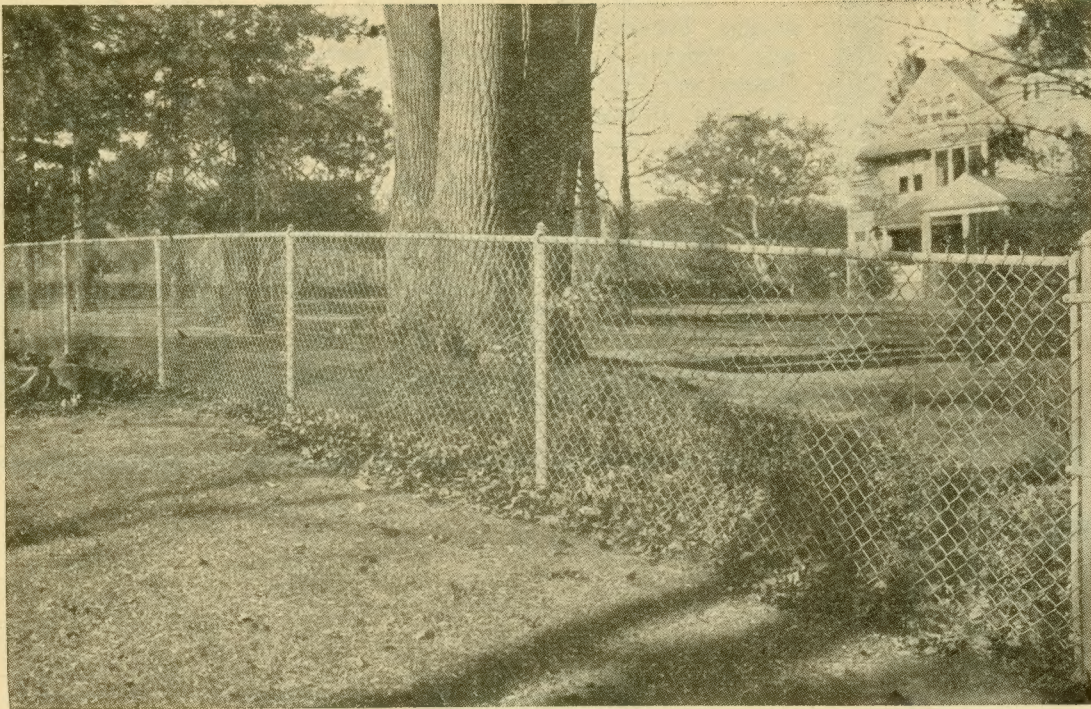
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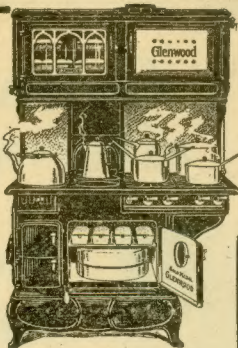
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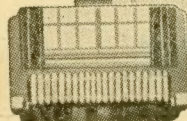
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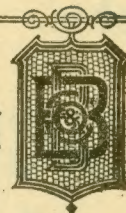


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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
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VOLUME XL
Number 1

PHILADELPHIA
January 7, 1925

BUILDERS' GUIDE

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As The Editor Sees It



Only the chronic pessimist can look the new year in the face and call it a bad prospect. The country has weathered the Presidential year just passed and though there was a certain amount of unemployment; depression in some of the larger industries; and the usual waiting for the election outcome, there has been no panic, no alarming slump in big business and stocks closed the year with sharp advances.

According to Secretary Hoover the annual survey of the Department of Commerce shows that the New Year begins with the economic structure of the world upon more solid foundations than at any time since the war. With the exception of a few spots of secondary importance there has been during the past year a real advance toward social, economic and political stability throughout the world. The only exceptions are Russia and China, which even before the war contributed less than 3½ per cent. of international commerce and, of course, a part of this continues.

Generally the world is producing more goods, there is fuller employment, there are higher standards of living, more assurance of economic stability for the future and more promise of peace than we have seen for many years. The world is by no means free from liability to economic shock, yet the forces today in motion all tend to great promise for the forthcoming year.

One of the most encouraging omens for 1925 is the stride toward recovery which has been made by the Agricultural Industry. This very important element in our economic structure was slower than other branches to recover from the effects of the war, but the outlook now in this direction is very favorable.

So far as Building is concerned, there was no falling off in 1924 in Philadelphia; on the contrary this city experienced the greatest building year in its history with a total of \$141,737,460 worth of construction.

With its wonderful facilities for Commerce; its huge industries and financial resources, Philadelphia is in a fair way to continue its building and business activity.

In summing up the situation Charles M. Schwab gives the following reasons for a belief in national and general prosperity for the new year:

In looking into the new year it seems there is every indication for a national and general prosperity throughout the United States such as we have not witnessed for several years. As reasons we have:

High wages for labor. As a whole, wages were maintained at constant levels last summer and fall, even in the face of considerably reduced production. With rates of production increasing, high wages will give a strong underlying buying power.

Good farm prices. The farmer's dollar has been low in purchasing power for some time. Increasing prices for farm products will mean good business for those industries that sell directly or indirectly to our great farm population.

Manufacturers have spent the last two or three years studying their costs of production and distribution with a view to enable the consumer to buy at the lowest possible prices. Unnecessary costs are being eliminated and methods of distribution improved. With even fair operations, manufacturers can show fair profits on their investment.

The railroads are recovering from the unusual stress put upon them during and after the war. Operating ratios are again in proper relation to income. The railroads are putting larger expenditures into upkeep, which means a demand for a wide range of manufactured products. The public is beginning to have more confidence in the management of the railroads. The railroads are providing a service which deserves the support of every business man and wage earner in the country. The management of the railroads is to be congratulated upon the attention given to reduction of costs of transportation by making the most effective use of every mile of track and every freight car and every man's time.

Experts predict that the total volume of building will continue at somewhere near its present levels and that automobile

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production will be equal to, if not beyond, the large figures for 1924.

The American people showed by their vote in the November elections that they were in favor of government along the safe and sane channels that have been tried by time and found true. This edict of the people has given both confidence and impetus to business men all over the country to go ahead with production and normal expansion.

A business structure built on activity in every industry means national prosperity and good times.

The natural resources of the United States are incomparably greater than those of any other country in the world. God has endowed us with a patriotic people that will make use of these resources. The questions of the war have been forgotten. Aristocracy today is not made up of the men of wealth, birth or position. The real aristocrat is the man who does something good for his fellow men.

The United States is going to be the real workshop of the world.

ABOUT BETTER BUILDING IN GENERAL

Observations Concerning Needs of the Industry

BY CHARLES G. EDWARDS

President, Real Estate Board of New York

I THINK there can be no doubt of the fact that in this country, as a whole and careful survey would disclose the fact, that an appreciable portion of construction of all types not only in great centers of population, but in small communities, is not what it should be. Just how great this proportion would be I am not prepared to say; but I think we are all agreed that it is large enough to justify the concern which the American Construction Council feels in this respect.

In discussing this subject of the need for better building and the responsibility for poor construction, we must pause long enough to pay a tribute to such good building as we have, to those who are responsible for that.

New York City certainly furnishes many notable examples of the finest type of construction—in public structures, office buildings, apartment houses and other kinds. Other great cities of the world may as a whole be pronounced more artistic, but I believe that in no other great city has the combined effort of the daring capitalist, the inspired architect, the resourceful constructor and the skillful building engineer, conspired to produce these marvelous results, which in not much more than a decade have made New York the wonder city that it is.

Unfortunately, as we have agreed, not all of the thousands of buildings that go to make our own metropolis are the type I have just referred to. We do need better buildings. We do need higher standards—a greater pride in turning out a fine product. And more particularly do we need these as an anchor to hold us fast and secure against the tidal wave of construction which now and again all but overwhelms us—as for instance the one from which we are just now emerging.

This brings us to the question of responsibility.

Whose Fault?

Who is responsible? The question should take a different form. What elements in the community—in all the communities which suffer from the disease of faulty construction—are responsible?

It is not a pleasant thing to fix responsibility and I am not pretending to do that now, but merely to indicate that if it is the purpose of the American Construction Council to discuss the subject with a view to remedying the condition which it has stated exists, then all of the factors in the problem must be given their due consideration.

There is the architect. He designs the structure, provides the specifications, follows through, and knows pretty well what is going to happen. True, he is conditioned by the instructions he gets from the owner, but he can do much to help in the ultimate turning out of a good product.

Those who manufacture the materials and equipment that go into our buildings have a large responsibility. There are grades of material, of course. The manufacturers must cater to their market. All builders and constructors cannot afford the best, but those who manufacture can see to it that their product is a fine product and the best that can be made for the price asked.

The constructor is an important figure in the group that contribute to produce a building. He can skimp or he can give value which is the equivalent of what he is to receive for his work.

The workman is not a mere automaton in this business of manufacturing buildings. He can do good work or bad. He can loaf on the job and pile up a wage item to the extent that tempts those in the scale above to skimp on other items; or he can do his best.

There is the public official's responsibility. He can, in the interest of his employer—the City acting for the taxpayers—see all that should be seen and insist that proper standards be adhered to; or he can keep only one eye open and see very little with that. He is sometimes overworked and underpaid;

(Continued on Page 12)

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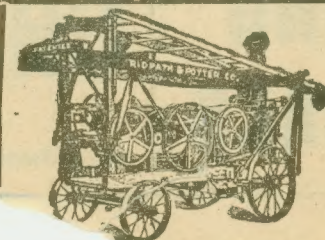
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Apartment Houses (7), Store (1), Wayne and Tulpehocken streets, Philadelphia. Architects, MacKenzie & Wiley, Bankers' Trust Building, Philadelphia. Owners, Atlas Const. Co., care of architect. Brick, limestone, 3 stories, 52x65 each, slag and Spanish tile roof, hardwood, composition and linoleum floors, vapor heat, electric light, tile work. Plans completed. Architect ready for sub-bids.

Residence (alts. into Apartments and New Auto Sales Room, 122 West Cheltenham avenue, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owners, E. A. Havens Co., Land Title Building, Philadelphia. Brick, steel, 1 story, 48x50 feet, slag roof, cement floors, ornamental iron work, painting and glazing, plastering. Architect taking bids on revised plans due January 12th.

Residence (alts. to chapel), 4811 Germantown avenue, Philadelphia. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owners, Parish of St. Michael's of the Saints, Rev. E. C. Nusco, on premises. Brick, steel (heating, plumbing, electric reserved), pine floors, carpentry and mill work, plastering, metal ceilings, bond, ornamental iron work, painting and glazing, hardware. Architect taking bids due January 8th at 10 A. M.

Residence (alts. to club house), 1622 Locust street, Philadelphia. Architect, not yet selected. Owners, Women's City Club, The Wellington, Philadelphia. Work contemplated.

Bungalow, 652 West Kingsley street, Philadelphia. Architect, Addison H. Savery, 1309 Locust street, Philadelphia. Owner, Charles J. Leirer, 667 West Johnson street, Philadelphia. Stone, brick rough cast, 1½ stories, 27x56 feet, shingle roof (alternate slate roof), hardwood floors, hot water heat, electric light, tile work. Architect taking bids due January 10th.

Store and Apartments, Frankford avenue and Foulkrod streets, Philadelphia. Architects, H. V. Murphy and C. M. Talley, Drexel Building, Philadelphia. Owner, William Freihofer, Twentieth and Indiana avenue, Philadelphia. Brick, steel, concrete, limestone, 4 stories, 185x242 feet, slag roof, oak floors, elevator, vapor heat, electric light, metal lath, tile and marble work, ornamental iron work, glazed tile store front. Architects taking bids.

Storage Building (add.), West side Frogmoor street, South of Wingohocking street, Philadelphia, \$10,000. Architect, private plans. Owners, F. Mark Cont. Co., 2820 North Twenty-first street, Philadelphia. Stone, 1 story, 126x58 feet, slag roof, pine floors, electric lighting. Owners will build.

Office, Southwest Corner O and Frogmoor streets, Philadelphia, \$4,000. Architect, private plans. Owners, F. Mark Cont. Co., 2820 North Twenty-first street, Philadelphia. Stone, 1 story, slag roof, pine floors, 20x50 feet, electric light. Owners will build.

Store and Office (alts.), 1823-25 Chestnut street, Philadelphia. Architects, The Balingier Co., Twelfth and Chestnut streets, Philadelphia. Owners, Westney & Buckley, care of architects. Architects taking on steam heating due Jan. 12th.

Service Station, Northeast Corner Forty-eighth and Lancaster avenue, Philadelphia. Architect, private plans. Owners, Atlantic Refining Co., Broad and Spruce streets, Philadelphia. Architectural terra cotta, concrete, 1 story. Plans in progress.

Store and Apartments (alts. and add.), 5827 Greene street, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, Clarence M. Brown, Land Title Building, Philadelphia. Brick, 1 story, 30x20 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Working plans in progress. Will be ready for bids in two weeks.

Residences (120), Sixtieth and Baltimore avenue, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, F. C. Scheid, Broad and McKean streets, Philadelphia. Brick, 2 stories, 16x30 feet, 16x38 feet, 16x40 feet, 16x50 feet, slag, tin and slate roof, hardwood floors, hot water heat, electric light, metal lath, tile work, cement work, 90 basement garages. Plans in progress. Owner will be ready for sub-bids January 10th.

Garage, Hansom street, between Locust and Walnut streets, Philadelphia. Architect, E. Allen Wilson, 1209 Chestnut Street, Philadelphia. Owner, A. Kaplan, Sixtieth and Pine streets, Philadelphia. Steel, concrete, brick, 2 stories, 115x150 feet, gypsum built-up roof, concrete floors, concrete ramps, roof ventilators, hollow metal skylights, rolling steel sash, steam heat,

electric light. Plans in progress. Owner ready for sub-bids January 10th.

Alterations and Additions, 1220 North Fifty-third street, Philadelphia. Architect, M. M. Boonin, Eighth and Porter streets, Philadelphia. Owner, H. Feterman, 1662 North Fifty-nine street, Philadelphia. Brick, hot water heat, electric light, slag roof, pine and concrete floors, carpentry and mill work, underpinning and foundation. Owner taking sub-bids due as soon as possible.

Apartment House, Northwest Corner Thirty-sixth and Chestnut streets, Philadelphia. Architect, Joseph Margolis, Schaff Building, Philadelphia. Owner, Joseph Rabinovitz, 3641 Chestnut street, Philadelphia. Brick, 4 stories, 42x100 feet, slate and slag roof, hardwood floors, elevator, incinerator, kitchen and laundry equipment, steam heat, oil burning equipment, electric light, tile and marble work, medicine cabinets, ornamental iron work, sheet metal, structural steel. Owner taking sub-bids due January 15th.

Brew House and Mill House, Twenty-second and Clearfield streets, Philadelphia. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owner, Jacob Hornung, on premises. Reinforced concrete, brick, cut stone, 6-5 stories and basement, 99x58 feet, copper and asphalt roof, asphalt, oak and pine floors, hollow tile, roof ventilators, metal ceilings, dampproofing, architectural terra cotta, ornamental iron work, bond, fire and kalamein doors, hollow metal sash, rolling steel skylights, tile and marble work, metal lath, elevator doors, vault doors, cork insulation, cold storage doors. Architect taking bids due January 12th at noon.

Weave Shed, Ruth and Venango streets, Philadelphia. Architect, Amos Barnes, Perry Building, Philadelphia. Owners, Craftex Mills, Inc., Kensington and Venango streets, Philadelphia. Brick, steel, 1 story, 69x110 feet, slag roof, cement floors, electric light. Architect taking bids due January 8th.

Hotel Walton (alts.), Broad and Locust streets, Philadelphia. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owners, Hotel Walton, on premises. Shoring, brick work, hollow tile, iron work, metal lath, plastering, carpentry and mill work, painting and glazing, cut stone, composition floors, electric work, plumbing, wrought

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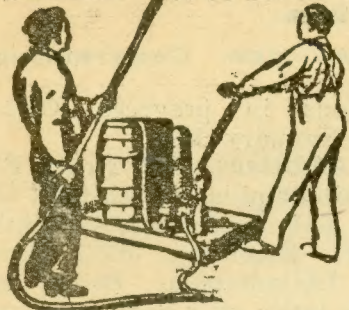
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Alterations, 6310-20 Woodland avenue, Philadelphia. Architect, private plans. Owners, Kresge 5- and 10-Cent Store, Detroit, Mich. Brick, steel (plumbing, heating and electric reserved), slag roof, pine floors, carpentry and mill work, tile work, plastering, painting and glazing, hardware. Owners taking bids due January 10th.

Residence and Garage, Germantown, Philadelphia, \$50,000. Owner, Charles Bobrow, 220 South Fifth street, Philadelphia. Stone, 2½ stories, slate roof, hardwood floors, cement work, vapor heat, electric light, tile and marble work, landscape, etc. David Lutz Co., Twenty-third and Chestnut streets, Philadelphia, taking sub-bids due at once.

Residences (123), Drexel road, Callowhill to Haverford, Haverford avenue, and Ruskin, Haverford and Woodbine, \$7,000 each.

Residences (28), Conshohocken avenue, West of Belmont avenue, \$10,000 each. Owner, John H. McClatchey, Land Title Building, Philadelphia. Brick, 2 stories, (123) 16x29 feet, (28) 16x32 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Manufacturing Building (add.), East side Wissahickon avenue, North of Hunting Park avenue, \$40,000. Owners, Conkling-Armstrong Terra Cotta Co., on premises. Reinforced concrete, 3 stories, 128x50 feet, steam heat, electric light, slag roof, steel work, cement work. Owners will build.

Service Station, Southwest Corner City Line and Conshohocken avenue, \$7,500. Architect, private plans. Owners, Gulf Refining Co., 516 Widener Building, Philadelphia. Brick, 1 story, 14x14 feet, electric work, cement work. Owners will build.

Residences (30), Oakland street, North of Bridge street, \$5,800 each. Architect, private plans. Owners, P. J. & T. P. McFarland, 2409 East Allegheny avenue, Philadelphia. Brick, 2 stories, 15 feet 7 inches x 30 feet, 11x10 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residence and Store (1), Residences (13), Passmore and Montour streets, Philadelphia, \$68,900. Owners, Hans Lunding, 1044 Fanshawe street, Philadelphia. Brick, 2 stories, 18x45 feet and 16x45 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Filling Station, 516-18 North Fifth street, Philadelphia. Architect, private plans. Owners, Atlantic Refining Co., Broad and Spruce streets, Philadelphia. Tile construction, size of lot 30½x120 feet, concrete walks, hydraulic meters, cement floors, electric light. Metzger, Fisher & White, Otis Building, Philadelphia, will build. Plans not yet drawn.

Store (alts.), 20-24 South Sixtieth street, Philadelphia, \$10,000. Architect, private plans. Owners, F. W. Woolworth Co., 18 South Sixtieth street, Philadelphia. General alterations. Owners will build.

Residence, 4812 North Eleventh street, Philadelphia, \$6,000. Architect, private plans. Owner, Max Friedman, 4726 North Eleventh street, Philadelphia. Brick, 2 stories, 16x60 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (2), North side Princeton avenue, West of Loretta, \$5,000 each. Architect, private plans. Owner, Edward H. Christian, Princeton avenue and Loretta street. Brick, 2 stories, 14 feet 6 inches x 55 feet 6 inches, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (34), South side Milne street, West of Pulaski avenue, \$4,500 each. Architect, private plans. Owner, M. J. McCruden, 1134 Real Estate Trust Building, Philadelphia. Brick, 2 stories, 16x30 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (8), East side Twenty-first street, North of Nedro avenue, \$4,500 each. Architect, private plans. Owner, E. Stahl, 5203 North Third street, Philadelphia. Brick, 2 stories, 16x26 feet, 12x12 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residence, East side Hegerman street, North of Arendel avenue, \$4,000. Owner, Samuel Best, Tacony, Philadelphia. Frame, 2 stories, 27x39 feet, asphalt shingle roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Garage, West side Oak road, South of School House Lane, \$2,000. Owner, Charles H. Davis, 348 West Johnson street, Philadelphia. Stone, 1 story, 23x25 feet, cement floors. Owner will build.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Water, 216 City Hall. Owners taking bids due January 13th at noon. Contract No. 724, furnishing and laying 16-inch C. I. water pipe. Contract No. 732, furnishing and laying 6-inch, 8-inch, 12-inch C. I. water pipe. Contract No. 733, furnishing and delivering pig lead.

The valuable man in any business is the man who can and will co-operate with other men. The foreman who opposes the introduction of a new man into an institution and fights every innovation which he himself does not suggest, is doomed to a gradual and creeping defeat. Men succeed only as they utilize the services and ideas of other men. Co-operate!

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Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Factory (add.), West side Orianna, South Willows avenue, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, E. Hubbschman & Sons, on premises. Brick, concrete, 4 stories additional, 62x112 feet, wing 20x21 feet, new building, 1 story and basement, 40x115 feet (heating, plumbing and electric elevators reserved), concrete floors, slag roof, roof ventilators, rolling steel sash and skylights. Contract awarded Monaghan & Losse, 3016 Chestnut street, Philadelphia.

Garage (add.), 215 West Spangler street, Philadelphia. Architect, John J. Carroll, 1619 Chestnut street, Philadelphia. Owner, R. W. Fischer, on premises. Steel, brick and stone, 1 story, 30x90 feet, slag roof, cement floors, vapor heat, electric light, steel sash, plumbing, steel work. Contract awarded J. D. Fisher, 5424 Thompson street, Philadelphia.

Residence (alts. and rep.) and Garage, 502 Westview street, \$3,000. Architect, private plans. Owner, Sadie Haber, 1018 Arch street, Philadelphia. General alterations and repairs to residence, garage, brick, 1 story, 10x20 feet, cement floors, electric work. Contract awarded to William H. Smelo, Ninth and Walnut streets, Philadelphia.

Parish House, Broad and Tioga streets, Philadelphia. Architect, Robert Gill, 159 East Tulpehocken street, Philadelphia. Owners, Church of the Resurrection Protestant Episcopal Church, on premises. Stone, brick, cut cast stone, steel, 1 story and balcony and basement, 41x67 feet (plumbing, heating, electric reserved), built-up asbestos roof, maple floors, hollow metal skylights, fire doors, ornamental iron work, waterproofing, ornamental plaster. Contract awarded J. Y. Loux, Hunting Park avenue and Fifteenth street, Philadelphia.

Germantown Town Hall (interior finish), Germantown avenue and Haines street. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Works, Bureau of City Property, City Hall. Cement, cabinet, carpentry and mill work, plastering, painting and glazing, marble and tile work, stair work. Contract awarded Curtis Grindrod, 10 South Eighteenth street, Philadelphia, \$48,392.

School and Convent Building, Tucker and Memphis streets, Philadelphia. Architect, Peter F. Getz, Victory Building, Philadelphia. Owners, St. Ann's Roman Catholic Church, Rev. M. A. Hand, Lehigh and Memphis

streets. Brick, cut stone, stone, limestone, 2 stories and basement, 135x81 feet, steam heat, electric light, metal lath, tile and marble work, rolling steel sash, bond, ornamental iron work, wrought iron pipe, plumbing, waterproofing and dampproofing, metal ceilings, pine floors, asbestos shingle roof, composition treads, oil burning equipment. Contract awarded John McShain, Inc., 1713 Sansom street, Philadelphia.

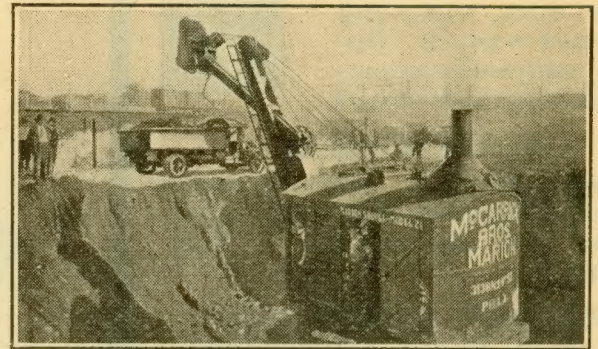
Storage Vault, 225 North Eighteenth street, Philadelphia. Architects, Hoffman-Henon Co., Finance Building, Philadelphia. Owners, Archdiocese of Philadelphia, Eighteenth and Race streets, Philadelphia. Brick work, concrete work, plastering, electric light, painting, plumbing, heating alterations. Contract awarded B. J. McKenna, 1713 Moravian street, Philadelphia.

Factory, Sixty-eighth and Woodland avenue, Philadelphia. Architect, E. A. Wightman, Bankers' Trust Building, Philadelphia. Owners, Simplex Valve Meter Co., J. W. Ledoux, 1112 North Broad street. Brick, cut stone, steel, 1 story, 161x80 feet (heating, plumbing, electric reserved), hollow tile, waterproofing, ornamental iron work, bond, rolling steel sash, bluestone. Contract awarded Curtis Grindrod Co., 10 South Eighteenth street, Philadelphia.

Garage, Northeast Corner Fourth and Spring Garden streets, Philadelphia. Architect, Hoffman-Henon, Finance Building, Philadelphia. Owners, Ladner Realty Co., Fifth and Green streets, Philadelphia. Brick, steel, 1 story, 178x30 feet, slag roof, cement and pine floors, hot water heat, electric light, plumbing, bond, oil burning equipment. Contract awarded Copeland Const. Co., 1218 North Seventh street, Philadelphia.

Stores (4), Apartments (alts. and add.), 5305-07 Germantown avenue, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, Glyndon Priestman, 5450 Germantown avenue, Philadelphia. Brick, carpentry and mill work, bond, structural steel and iron work, slag roof, hardware, plumbing, painting and glazing, plastering, electric work (heating reserved). Contract awarded T. S. Fetter, 1829 Filbert street, Philadelphia.

Residence (alts. into Stores), Garage, 309 North Thirty-seventh street, Philadelphia. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owners, Individual Towel & Supply Co., on premises. Brick work,



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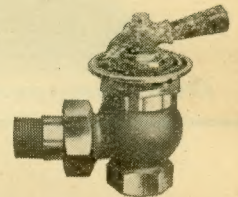
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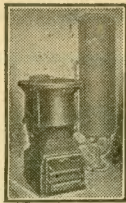
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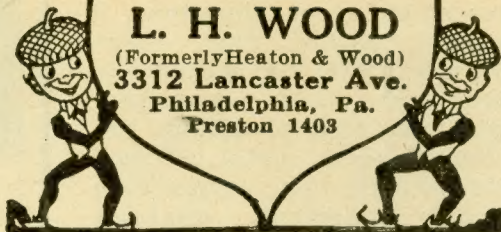
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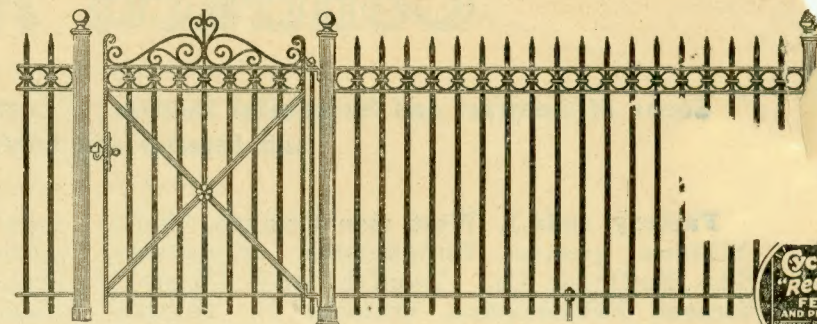
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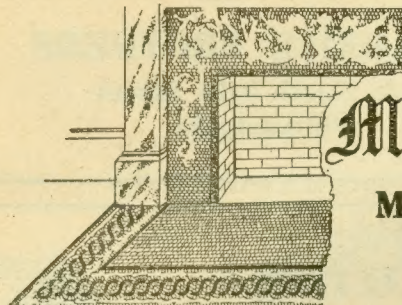
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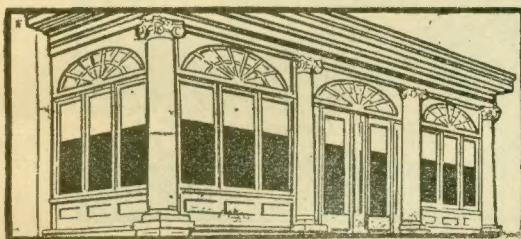
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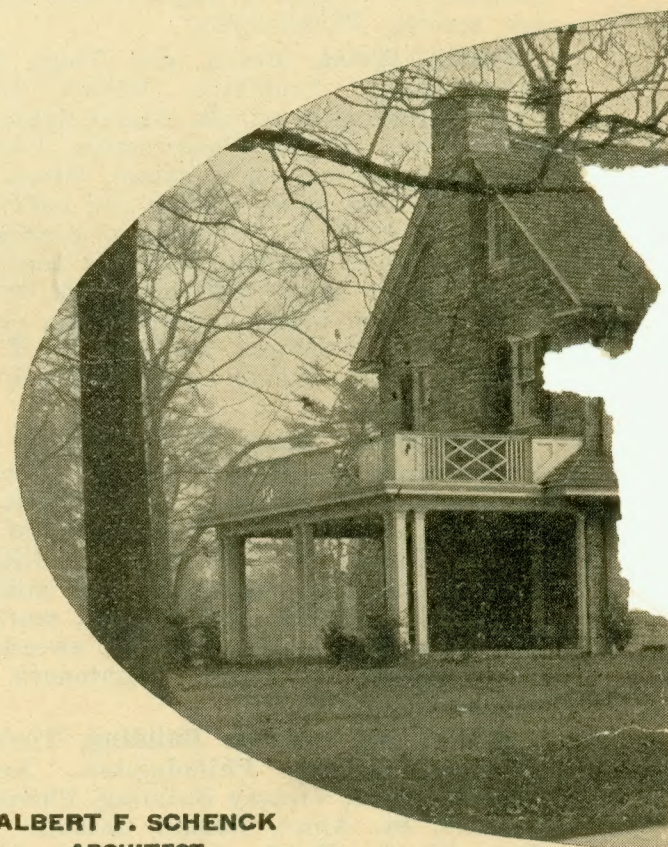
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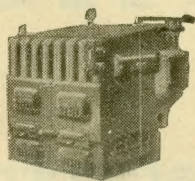
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carpentry and mill work, electric light, pine floors. Contract awarded William K. Collyer, 2002 North Twenty-ninth street, Philadelphia.

Connecting Bridge Between Two Buildings, 1705 North Broad street, Philadelphia. Architect, E. A. Stopper, 10 South Eighteenth street, Philadelphia. Owners, Philadelphia Turngemeinde, 1705 North Broad street, Philadelphia. Contract awarded Paul Brosz, 2515 West Huntingdon avenue, Philadelphia.

Stores and Garages (2), Atlantic street, East of Twenty-second street, \$10,000 total. Architect, private plans. Owner, H. Steigrod, Sixth and McKean streets, Philadelphia. Brick, 1 story, 18x23 feet and 35x35 feet, slag roof, pine and cement floors, electric lighting. Contract awarded to Pearlman & Chapman, 1741 North Lindenwood street.

Playgrounds (2), Philadelphia. Owners, Department of Public Welfare, Bureau of Recreation, 595 City Hall. Contracts awarded: Mill Creek, Forty-seventh and Aspen streets, Philadelphia, McCormick-Lenham, 2403 South Broad street, Philadelphia, \$10,882. Plumbing, Bulman Brothers, Fifth and Cumberland streets, \$1,444. Electric, J. F. Buchanan, 1904 Sansom street, Philadelphia, \$444. Contract awarded, Belfield Playground, Twenty-first and Chew streets, Philadelphia, George S. Dobbins, 1020 South Forty-seventh street, Philadelphia, \$2,680.

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Residence, Northwest Corner Front and Reed streets, Philadelphia, \$5,200. Architect, private plans. Owner, F. Talaacka, 1341 South Second street, Philadelphia. Brick, 2 stories, 15x40 feet, slag roof, hardwood and pine floors. Contract awarded to C. Ettore, 1533 South Twenty-first street, Philadelphia.

Residences (2), 1730-32 Jackson street, Philadelphia, \$5,000 each. Architect, private plans. Owner, Aug. Spirito, 1918 East Pass-

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Manufacturing Building (alts.), Southwest Corner Adams avenue and Wingohocking street, Philadelphia, \$4,700. Architect, private plans. Owners, American Fabric Co., on premises. General alterations. Contract awarded to H. A. Hopple, Heed Building, Philadelphia.

Residence, North side Glenn street, West of Outlook street, Philadelphia, \$4,500. Architect, private plans. Owner, William P. Meldrum, Torresdale, Philadelphia. Frame, 2 stories, 25x39 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to T. M. Powell, Andalusia, Pa.

Store and Residence (alts. and add.), Southeast Corner Tenth and Locust streets, \$3,700. Architect, private plans. Owner, C. Luicowree, Northwest Corner Tenth and Locust streets, Philadelphia. Brick, 1 story add., 10x8 feet, general alterations. Contract awarded to S. Yellin & Son, 3125 Montgomery avenue.

Store and Storage Building (add.), Northeast Corner Second and Spruce streets, \$2,980. Architect, private plans. Owner, Henry Glick, on premises. Brick, third story add., 20x40 feet. Contract awarded to Henry C. Dahl, 231 South Eighth street, Philadelphia.

Residence (add. and alts.), 1216 Latona street, Philadelphia, \$2,000. Architect, private plans. Owner, A. Marchiano, Northeast Corner Eleventh and Federal streets, Philadelphia. Brick, 2 stories add., 12x12 feet, general alterations. Contract awarded to Frank De Marco, 1224 Christian street, Philadelphia.

Store and Office (alts.), 1341 Columbia avenue, Philadelphia, \$3,000. Architect, private plans. Owners, Lessee, care of Philadelphia Turngemeinde Club, Broad and Columbia avenue, Philadelphia. General alterations. Contract awarded to Blot & Baust, 403 East Thirtieth street, New York.

Warehouse, 1162 North Fourth street, Philadelphia, \$3,000. Architect, private plans.

Owner, Albert Wort, Southwest Corner Fourth and Girard avenue, Philadelphia. Brick, 2 stories, 18x44 feet, slag roof, pine floors, electric work. Contract awarded to A. Lashman, 2647 South Seventh street, Philadelphia.

Store and Residence (add.), 154 West Cheltenham avenue, \$3,500. Architect, private plans. Owner, Irving King, 215 Walnut Lane, Philadelphia. Brick, 1 story add., 42x22 feet. Contract awarded to Joseph C. Wallace, 5146 Westminster avenue, Philadelphia.

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Pennsylvania Construction News

Hotel, Theatre, Store, Office and Dance Hall, Gettysburg, Pa. Architect, William H. Lee, 1505 Race street, Philadelphia. Owners, Gettysburg Hotel, Gettysburg, Pa. Concrete steel, brick, 4 stories, 144x151 feet. Architect taking bids due January 23rd.

Residence, Linden and Sycamore avenues, Merion, Pa. Architect, R. Rodes McGoodwin, 1600 Walnut street, Philadelphia. Owner, E. Burke Wilford, Garden Court Apartments, Philadelphia. Architect selected. Plans not yet started.

Residences (2), Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, H. G. Ripple, 22 South Duke street, Lancaster, Pa. Brick, 2½ stories, 27x30 feet and 30x30 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

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Church, Ardmore, Pa. Architect, G. C. Baum, 1511 Arch street, Philadelphia. Owners, St. Paul's Lutheran Church, Dr. A. C. Kantzinger, 114 E. Lancaster Ave., Ardmore. Stone, 1 story, electric light, slate roof. Plans in progress. Will be ready for bids in a month.

Residence, Eden, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, J. W. Eshelman, 3rd, 244 North Queen street, Lancaster. Stone, 2½ stories, 30x40 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans in progress. Owner will take sub-bids.

Y. M. C. A. Building, York, Pa. Architect, Edward Leber, Hay Building, York, Pa. Owners, Y. M. C. A., York, Pa. Will take bids about last of January.

Factory, Lancaster, Pa. Architect, H. Y. Shaub, 10½ North Queen street, Lancaster, Pa. Owner, W. W. Kaeffer, care of architect. Concrete block or brick, 1 story and basement, 40x160 feet, slag roof, concrete floors, roof ventilators, fire doors, rolled steel sash, vapor heat, electric light. Architect ready for bids.

Church and Sunday School, Allentown, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. Peter's Church, Rev. R. H. Ischinger, Allentown, Pa. Brick, hollow tile, steel, 2 stories, basement and mezzanine, 79x58 feet, slate or composition roof, hardwood floors, safety treads, waterproofing and dampproofing, leaded glass,

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Residences (2), Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, H. G. Ripple, 22 South Duke street, Lancaster, Pa. Brick, 2½ stories, 27x30 feet and 30x30 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Residence, Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, J. A. Eckman, care of architect. Brick, 2 stories, 30x28 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans in progress.

Church, Ardmore, Pa. Architect, G. C. Baum, 1511 Arch street, Philadelphia. Owners, St. Paul's Lutheran Church, Dr. A. C. Kantzinger, 114 E. Lancaster Ave., Ardmore. Stone, 1 story, electric light, slate roof. Plans in progress. Will be ready for bids in a month.

Residence, Eden, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, J. W. Eshelman, 3rd, 244 North Queen street, Lancaster. Stone, 2½ stories, 30x40 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans in progress. Owner will take sub-bids.

Y. M. C. A. Building, York, Pa. Architect, Edward Leber, Hay Building, York, Pa. Owners, Y. M. C. A., York, Pa. Will take bids about last of January.

Factory, Lancaster, Pa. Architect, H. Y. Schaub, 10½ North Queen street, Lancaster, Pa. Owner, W. W. Kaeffer, care of architect. Concrete block or brick, 1 story and basement, 40x160 feet, slag roof, concrete floors, roof ventilators, fire doors, rolled steel sash, vapor heat, electric light. Architect ready for bids.

Church and Sunday School, Allentown, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. Peter's Church, Rev. R. H. Ischinger, Allentown, Pa. Brick, hollow tile, steel, 2 stories, basement and mezzanine, 79x58 feet, slate or composition roof, hardwood floors, safety treads, waterproofing and dampproofing, leaded glass,

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plumbing, metal lath, electric light, vapor heat. Owners will take bids next week.

Residence and Garage, Lemoyne, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owner, Bertha L. Lilly, 20 North Fourth street, Harrisburg, Pa. Local stone, 2 stories, 40x30 feet, and 1 story, 18x20 feet, slate or tile roof, hardwood floors, hot water heat, electric light. Architects ready for bids.

John Harris High School, Twenty-fifth and Market streets, Harrisburg, Pa. Architects, Lappley & Hornbostel, Ebner Building, Harrisburg, Pa. Owners, Harrisburg School Board, H. H. Hornbostel, secretary, 121 Chestnut street, Harrisburg, Pa. Possibly stone exterior, 1 and 2 stories, 60x350 feet and 60x310 feet, cafeteria, 70x140 feet, shops 80x240 feet, auditorium and gymnasium, 200x250 feet, composition roof, hollow tile, safety treads, roof ventilators, waterproofing and dampproofing, terra cotta, ornamental iron work, iron stairs, fire doors, skylights, tile and marble work, metal lath (heating, plumbing, electric reserved). Will take bids about January 28th.

Department Store, Harrisburg, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owner, I. H. Doutrich, Fourth and Market streets, Harrisburg, Pa. Architectural terra cotta front and 1 side, 4 and 6 stories, 26 feet 3 inches x 210 feet, composition roof, elevator (1), waterproofing and dampproofing, vapor heat, electric light. Architect will take bids next week.

Museum, Reading, Pa. Architect, Alex. Smith, Berks County Bank Building, Reading, Pa. Owners, Reading School Board, George Beggs, Eighth and Washington streets, Reading, Pa. Steel, brick or stone, 2 stories, 300x62 feet, skylight roof, composition floors, freight elevators, safety treads, hollow tile, terra cotta, ornamental iron work, iron stairs, cut stone, metal lath. Owners taking bids due January 20th.

Residence, Noble Vista, Pa. Architect, private plans. Owner, H. E. Keller, Atlantic City, N. J. Concrete block and stucco, 2½ stories, 40x25 feet, shingle roof, oak and pine floors, hot water heat, electric light, tile work (alternate slate roof). Owner taking bids due January 12th.

Stadium, Pittsburgh, Pa. Engineers, Stone & Webster, Boston, Mass. Owners, University of Pittsburgh, Pittsburgh, Pa. Reinforced concrete, 600x800 feet, concrete floors, steam heat, electric light, plumbing, waterproofing. Engineers taking bids due January 16th.

Store and Office Building, West Chestnut street, Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owners, Steinman & Steinman, 8 West King street, Lancaster, Pa. Brick, steel, 2 stories, 80x60 feet, slag roof, pine floors, steam heat, electric light. Architect taking revised bids due as soon as possible.

School, Elkins Park, Pa. Architects, P. A. Davis, 3rd, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, School Board of Cheltenham Township, Pa. Reinforced concrete, cut stone, steel, brick, 3 stories and basement, 156x190 feet (plumbing, heating, electric work separate), slag roof, composition, cement and maple floors, terra cotta, tile work, roof ventilators, waterproofing, ornamental iron work, bond, kalamein and hollow metal doors, rolling steel sash and skylights, metal lath, tile, marble and terrazzo work, limestone, bluestone, granite. Low bidders: J. Y. Loux, Fifteenth and Hunting Park avenue, Philadelphia, \$384,700; Sinclair & Griggs, Medical Arts Building, Philadelphia, \$398,800. Electric, Eastern Elec. Co., 1936 South College avenue, Philadelphia, \$16,341. Heating, D. J. Keating, 2042 Rittenhouse Square, Philadelphia, \$61,776. Plumbing, J. Borden & Bro., 637 North Nineteenth street, Philadelphia, \$28,350.

Pennsylvania Contracts Awarded

Theatre, Store and Hotel, Carlisle, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owners, Bellehas & Hemewal, William Penn Hotel, Harrisburg, Pa. Brick, stone, steel, 3 stories, 60x160 feet, slag roof, composition and hardwood floors, hollow tile, steam heat, electric light, metal lath, tile work, iron stairs, ornamental iron work. Contract awarded to Charles Lady, Fourth and Seneca streets, Harrisburg.

Church, Sunday School and Parsonage, Lancaster, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Covenant United Brethren Church, Lancaster, Pa. Brick, hollow tile, 1 story and basement, 80x106 feet, slate roof, hardwood floors, hollow tile, waterproofing and dampproofing, plumbing, vapor heat, electric light, metal lath. Contract awarded to H. L. Wiant, Lancaster, Pa.

Church (alts.) and Parish House, Easton, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. Paul's Lutheran Church, A. J. Price, secretary, Easton, Pa. Hollow tile, stucco, brick trim, 2 stories, 49x73 feet, built-up roof, hollow tile, hardwood floors, vapor heat, electric light. Contract awarded to Titzel Const. Co., 520 Market street, Harrisburg, Pa.

Residence, No. 564, Haverford, Pa. Architects, McIlvaine & Rogers, Otis Building, Philadelphia. Owner, name withheld. Stone, 2½ stories, 66x22 feet, hot water heat, electric light, tile work, shingle roof, oak and pine floors, ornamental iron work. Contract awarded Metzger, Fisher & White, Otis Building, Philadelphia.

Store Front, Reading, Pa. Architect, F. H. Muhlenberg, Ganster Building, Reading, Pa. Owners, Lang Engineering Co., Reading, Pa. Brick wall, 2 stories, 12x20 feet, plate glass, copper work. Contract awarded to Reider & McLaughlin, Reading, Pa.

New Jersey Construction News

Hospital, near Ephraim avenue, Camden, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, West Jersey Homeopathic Hospital, Dr. C. F. Hadley, Camden, N. J. Fireproof, 5 stories, 64x68 feet, slag roof, composition floors, cinder block, elevators, safety treads, roof ventila-

tors, waterproofing and dampproofing, ornamental iron work, iron stairs, fire doors, rolled steel skylights and sash, tile and marble work, metal lath, electric light, heating extension. Architects taking bids due January 19th, 5 P. M.

Residence (alts. and add.), Riverton, N. J. Architect, J. Fletcher Street, 1120 Locust street, Philadelphia. Owner, Mrs. Russell Gausler, Riverton, N. J. Stone, 2½ stories, 42x35 feet, slate roof, hardwood floors, steam heat, electric light, tile and marble work, plumbing. Architect taking bids due January 10th, 11 A. M.

Group of Buildings, Trenton Junction, N. J. Architects, Guilbert & Betelle, Newark, N. J., A. H. Moses, Camden, N. J. Owners, New Jersey School for Deaf, State Board of Education, Trenton, N. J. Reinforced concrete, brick, cut stone (plumbing, heating, electric reserved), slate and built up roof, Duraflex floors, pine and cement floors, painting and glazing, safety treads, waterproofing and dampproofing, metal lath, tile, marble and

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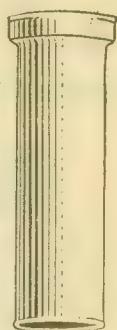
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terrazzo work, rolled steel sash and skylights, kalamein doors, bond, iron stairs, ornamental iron work, bluestone, limestone, soap stone, imitation travertine, dumb waiters, steel lockers, cement and plaster, snow guards, plate glass, vault doors, sidewalk elevator, metal partitions. Superintendent's house and shop, 2 stories, 87x61 feet, laundry, 1 story and basement, 89x33 feet, auditorium and gym, dining hall and kitchen, 2 wings, 47x138 feet, 214x64 feet, school and administration building, 2 stories and basement. Low bidders: J. M. Yardley, 1730 Sansom streets, Philadelphia, \$368,900; A, \$272,442; B, \$49,400; C, \$30,390; D, \$18,968. Charles McCaul Co., 1713 Sansom street, Philadelphia, \$372,646; A, \$271,453; B, \$68,358; C, 24,835; D, \$8,000.

Residences (2), 705 Edgemont street, Trenton, N. J., \$8,000. Architect, private plans. Owner, Harold G. Houghton, 663 Rutherford street, Trenton, N. J. Brick, frame, 2½ stories, 32x42 feet, slag roof, pine floors, electric light. Owner will build.

Residences (2), 840 and 846 North Thirtieth street, Camden, N. J., \$4,500 each. Architect, private plans. Owner, William H. Townsend, 2929 Westfield avenue, Camden. Frame, 1½ stories, 24x34 feet each, asphalt shingle roof, pine floors, hot air heat, electric light. Owner will build.

Residence, Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton. Owner, William Darling, 221 East State street, Trenton, N. J. Stone, 2½ stories, 28x43 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

New Jersey Contracts Awarded

Residences and Stores (2), 889-91 North Twenty-seventh street, Camden, N. J., \$14,000 total. Architect, private plans. Owner, Charles Stiefel, 1070 North Thirty-first street, Camden, N. J. Brick, 2 stories, 20x60 feet and 20x72 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Fred L. Richfeld, 3144 Highland avenue, Camden.

Storage Building, Fifth and Byron streets, Camden, N. J., \$8,750. Architect, private plans. Owners, Kind & Knox, Fifth and Byron streets, Camden, N. J. Brick, 1 story, 60x90 feet, slag roof, electric lighting. Contract awarded to L. T. West, Fifth and Royden streets, Camden, N. J.

Residence, 133 Habort street, Trenton, N. J., \$4,000. Architect, private plans. Owner, Carl Walters, Trenton, N. J. Frame, 2½ stories, 282x36 feet, slate roof, pine floors, elec-

tric work. Contract awarded to J. Kennedy, Trenton, N. J.

Residences (2), 938-40 North Thirty-second street, Camden, N. J., \$4,000 each. Architect, private plans. Owners, Heller Brothers, 1015 North Thirty-fifth street, Camden, N. J. Frame and stucco, 2 stories, 16x36 feet, slag roof, hot water heat, electric light. Contract awarded to George W. Heller, 1015 North Thirty-fifth street, Camden.

Residence (alts. and add.), 2707 Westfield avenue, Camden, N. J., \$3,200. Architect, private plans. Owner, Robert Leoble, 2707 Westfield avenue, Camden, N. J. Cement block, 2 stories, 14x24 feet, slag roof, pine floors. Contract awarded to L. M. Friant, 224 North Thirty-sixth street, Camden, N. J.

Miscellaneous Construction News

Residence (alts.), 78 West Forty-seventh street, New York City. Architects, Hoffman Henon, Finance Building, Philadelphia. Owner, A. R. Boyd, care of architect. Revised plans in progress.

Miscellaneous Contracts Awarded

Warehouse, Newport, Del. Architect, P. O. Harding, Newport, Del. Owners, Krebs Pigment & Chemical Co., Newport, Del. Reinforced concrete, steel and brick, 3 stories, 90x105 feet, slag roof, cement floors, waterproofing, rolling steel sash, ornamental iron work. Contract awarded Turner Const. Co., 1713 Sansom street, Philadelphia.

Proposal

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., Jan. 2, 1925. SEALED PROPOSALS will be opened in this office at 3 P. M., Jan. 30, 1925, for remodeling and enlarging, including incidental changes in the mechanical equipment of the United States Post Office at Fulton, N. Y. Drawings and specifications may be obtained from the Custodian of the building, or at this office in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

(Continued from Page 4)

but his responsibility—and he has accepted it—is great.

There is the lender's responsibility. You cannot make bricks without straw nor build buildings without money. Lending institutions, Savings Banks, Trustees representing Estates, Attorneys representing owners of loanable funds—all can to a certain extent be assigned a share of responsibility for bad construction. And it is here that I wish to lay emphasis on what I believe to be the greatest factor for evil in what faulty and poorly constructed buildings we have today.

A New Fashion

Large reservoirs of capital have in past years paid little heed to the need of money for construction, preferring to invest their funds in stocks and bonds and other securities more liquid in their character than Real Estate Mortgages, with the result that the borrower found it difficult to obtain financial assistance and then only in very limited amounts. This situation has brought into the field a new fashion in real estate. The mortgage bond and such bonds are now being sold in vast quantities throughout the land. Companies have been organized to loan on bond and mortgage and to sell bonds against these mortgages. Some companies guarantee the principal and interest with all of the resources of the company behind them while others sell at a higher rate of interest and do not guarantee either principal or interest. Many large issues of mortgage bonds are underwritten and sold by brokerage houses formally confining their efforts to the sale of stocks and bonds only. It is to the latter concerns that the speculative builder usually appeals for funds with which to finance his building enterprise. The speculative builder needs money in larger quantity; he has less of his own money to put into any building and he must if he cares to stay in business, spread that small capital over various



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operations. Therefore, his need of a loan larger than a conservative bank or insurance company will make, takes him to an underwriter.

Two Considerations

With the underwriter the first consideration is how quickly can the bonds be sold, but the second, and I think most important consideration to him is, how much can we charge for making the loan. If the builder needs more than can be reasonably and safely loaned, then a higher charge is made for underwriting. Appraisals are made at the borrower's expense to fit almost any reasonable need. What concern has the underwriter for the quality of the materials that go into the building; who supervises the construction as it progresses; what cares he if insufficient bolts are placed to care for wind resistance. What cares he if brick is used for fill instead of cement, nor for the many substitutes that are used? But the speculative builder cares. He has paid dearly for his financing. His only hope lies in a saving here and a saving there in cost of construction, so he proceeds to use substitutes to make this do where better would last longer. He is building to sell and can get his price and profit on a completed building that has cost considerably less to build than stated in his application for a loan. The cost of financing has made it necessary for him

to sacrifice quality. This speculative builder who provides little of the capital and borrows most of the rest for the building he expects to pass on to the investor has a large share of the responsibility. He knows what he wants. He knows what he is figuring on as a margin of profit over cost of production, and he determines to a great extent the course of action to be followed by this unjustifiable cost of financing.

I might be accused of partiality if I did not include the real estate broker in this fairly long category of those who are in varying degrees responsible for poorly constructed buildings. So I shall include him. But I do not think he plays a very large part.

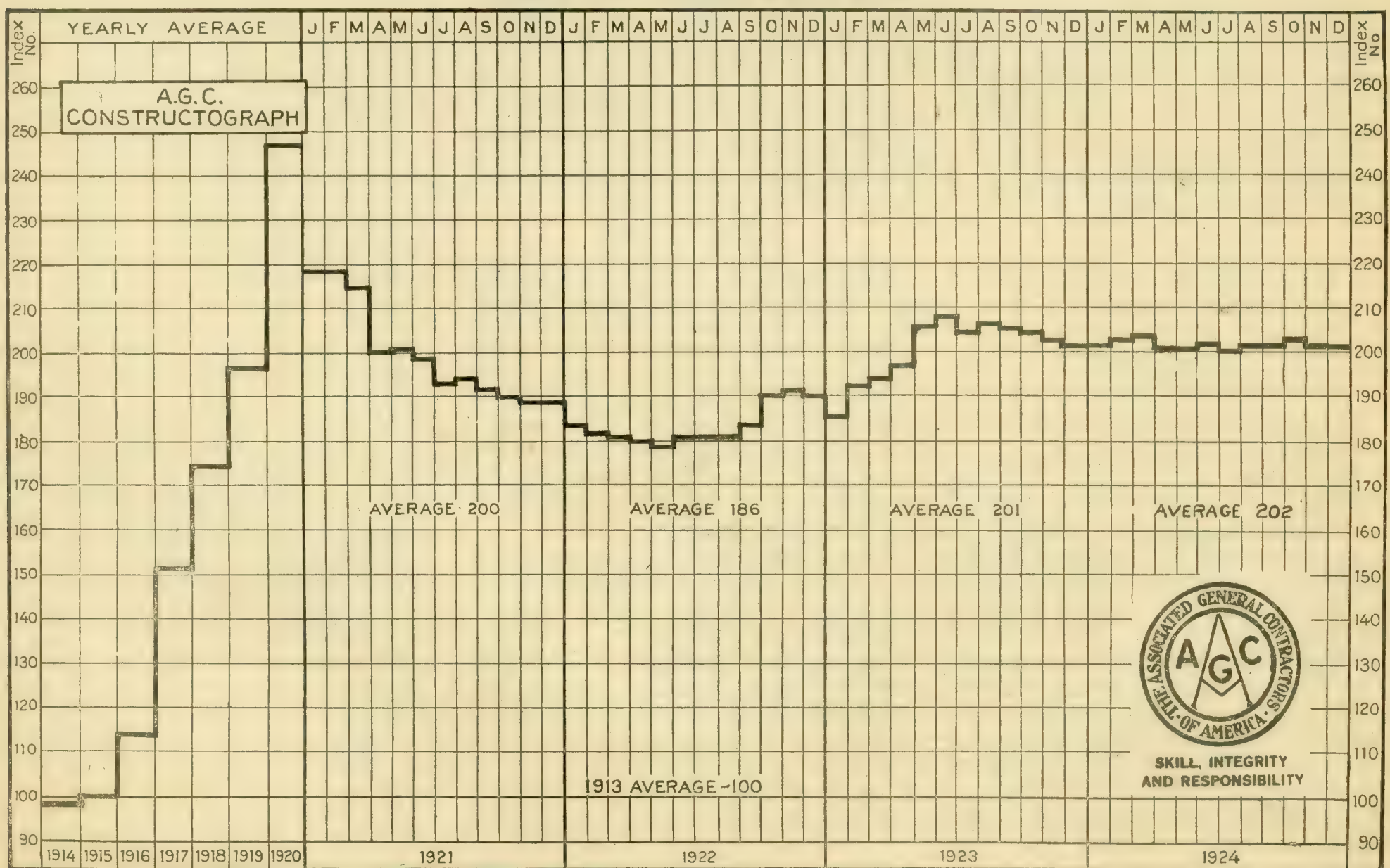
This opinion is not the result of prejudice; nor because he is any different from the others. The average is about the same as that of the others. But he has not very much to do with it. He comes in late in the performance. He can discourage those who come to him to negotiate loans on poorly constructed buildings; he can decline to list poorly constructed buildings; if he takes them for sale he can keep them, so to speak, under the counter and display them only as a last resort—"as second hand goods." But this is about all. The damage was done when the building was built and the varying responsibilities of all those

concerned in its construction had already been assumed and discharged.

In some things the fixing of responsibility is only a short step from the remedying of the evil. In some others it is only the beginning of trouble. What it is in the case under consideration I am not prepared to say. But it is obvious that if the American Construction Council is concerned about the matter it can make a beginning with fair prospects of good results, for the Council has officers and members of national prominence, that its membership is spread pretty well throughout the United States and—that in this membership are included all of the elements I have mentioned as having in a greater or less measure, responsibility for dishonestly constructed buildings.

This membership, I also notice, is divided into two groups. Perhaps, in due course after a proper procedure has been laid down, each group could make a beginning towards working out its own salvation and so accomplish ultimately as a combined effort of all the groups, the solution of the problem of bad construction. But do not be discouraged. It is amazing how many mountains of effort in matters of this kind it takes to produce a few small mole-hills of results. Yet it is worth while. The one thing certain is that if you do not make a beginning your

COST OF CONSTRUCTION



problem will remain the unsolved problem it is.

Address before the annual meeting of the American Construction Council.

COST OF CONSTRUCTION

The construction industry has shaken off many of the effects caused by the war and is now enjoying a marked degree of stability, according to conclusions drawn from statistics for 1924 compiled by the Associated General Contractors of America. (See attached chart.)

Unlike any year since the beginning of the war, 1924 found construction costs holding practically a single plane throughout the entire twelve-month period. An almost total absence of seasonal fluctuations is noted, with the average of costs for December remaining at the index number 201. The average for the entire year was 202.

Although the volume of construction in progress, as indicated by shipments of construction materials, fell off approximately twenty points during November, it was greater than the total shown during the corresponding month of any previous year. The November index is 155 and the total volume for the first eleven months of 1924 is 3 per cent. higher than the figure for the same period in 1923.

Labor rates have remained level since July. The December average in twelve principal cities is 122 per cent. above the average for 1913. Compared with 1923, the average labor rate for 1924 was 6 per cent. higher.

The average prices paid by contractors for materials during 1924 was about 4 per cent. less than during 1923.

ESTABLISHING SAFETY IN BUILDING

Some Thoughts Concerning Accidents To Workingmen

BY W. F. AUSTIN

President, W. E. Wood Co., Detroit, Mich.

Much time and thought has been given to discussion of the laborers lost to the construction industry because of accidents and fatalities and the restriction in immigration. It is well to give no less notice to another phase of the situation.

A questionnaire was sent out recently in an effort to ascertain why young men do not enter the building trades. Answers to that questionnaire indicated a great many native-born American young men avoid the building trades because of the hazards and also the fact that they would be obliged to go to and from work in their working clothes.

Handicaps Exist

We are in competition with the manufacturing industries for men. We are faced with a restriction in immigration, and in addition to conserving our labor and our supply of men by safety measure, we can increase that supply somewhat by inducements. The average construction foreman, perhaps you will agree with me, would pooh-pooh the idea of locker rooms and washrooms for workmen on building construction operations, however large. But I will predict that in the near future if we are to compete with manufacturers, for labor, on our larger operations we will be providing those facilities for men.

Referring to the employers in the construction industry, generally, we may proceed by considering the matter from two different angles with the earnest desire that what we shall do here and what we shall say will be of value in establishing safety work more generally in the construction industry.

First: to establish safety it is necessary to sell the idea to the principal and officials of your company. This has been done very largely and is being done by the National Safety Council through their publicity, the Congresses and their campaigns in different cities.

I think it would be safe to make a statement that perhaps in the construction industry fewer of the principals, fewer of the officials of the companies have been sold, than in some other industries. We propose through the A. C. G. of A., and through the continued activities of the Construction Section to sell more of the officials, more of the bosses this safety idea, because without that, it is almost impossible to make very much progress in this work.

A State of Mind

Because safety is a mental attitude and is a matter of instructions and education, eternal vigilance, and a matter of instinct reason on the part of those actually exposed to the hazards, let us review some of the things that can be done to educate, instruct and keep before our workmen this safety matter. In other words, some of the things that can be done to keep the mental attitude as nearly right as possible.

One of the first suggestions that might be made in this connection is to try to get away from the word "safety." "Safety" is an absolute term, somewhat overworked and does not find favor with the old school, practical, hard-headed construction man whose experience and training has taught him that in construction work certain chances must be taken. It might be better to label this activity "accident prevention work." Construction work can rarely ever be carried on with total safety, but no one will deny

that prevention of accidents on construction work is desirable and practical from every standpoint and your hard-headed, practical foreman and sub-foreman, at least some of them will listen to arguments in favor of accident prevention with more patience and less prejudice than to arguments on safety.

I think it would be well to review or recall some of Mr. Kettering's remarks in this connection. Those who heard him will remember he explained this safety work as similar to hooking an engine to a train. This locomotive of enthusiasm, of serious thought, of discussions, that we have here in Louisville now, must be backed up. It must be backed up and hooked on to the train of your routine work at home. It must be hooked on to your actual operation. It must be hooked on to your jobs through your foremen in order to be effective.

Pivots on Foreman

In other words, what we say here and what we do here, in order to be really effective, must mainly filter through to the man subjected to the hazard. So, after all, we have to get back to the foremen for the work, and make the foremen feel the responsibility for the accidents. In order to do that you certainly have to talk to the foremen in their own language, and it is suggested that accident prevention work will fit the situation with him better than safety work.

Another requisite for the establishment of safety or accident prevention work is to get a report of each and every accident so as to be able to make a study of how accidents are caused and what they cost. These reports should be tabulated by the standard method adopted for this section and the whole Council, so that comparisons may be made. This matter of reports is important as they furnish the facts upon which a great deal of the work must be planned and done.

Accident prevention work in the construction industry can be materially aided and very much accelerated by close co-operation between insurance carriers and employers. There are innumerable ways in which the insurance carriers can help to reduce accidents. Posters, danger signs, and other placards supplementing those furnished by the National Safety Council can be gotten up by your insurance company and distributed. These, if used intelligently, will constantly remind your employees and the public of certain specific dangers on your work as well as indicate generally to your employees the necessity of such matters as precaution in engaging men for construction work, accuracy in making reports, and other very necessary general requirements.

An accident prevention committee composed of your foremen, superintendents, time keepers, clerks and work-

men is another requirement. This committee should meet at least once a month and discuss freely and openly all of the practical aspects of the work, should review the accident reports, and make such comparisons as are desired.

The Group Plan

In this fourth suggestion for establishing safety, the group plan is what we have in mind. An accident prevention committee in the smaller organization is impractical, but in a group organization it is not only very practical but very helpful.

Some kind of a set of safe practices or code should be prepared, preferably by a group of constructors in your locality or in your state. This code or set of safe practices should not be too technical, should not be mandatory, but should be very practical, should especially conform with those customs and conditions peculiar to your locality, and should cover those general requirements which will reduce accidents on construction work. In order to be effective, this code should be distributed generously to all of those actually in charge of the operation after which questionnaires on the code should be sent out periodically to those having the work in charge. This questionnaire would indicate, when answered, the familiarity or lack of familiarity with the code. In order to stimulate this activity prizes may be offered for the best answers to the queries in the questionnaire and awards be made to the men. This is one very effective method of compelling your men to think accident prevention.

Must Take Lead

Unless something of this kind is done there is a very great danger that the code will not be read. And the construction industry must take the initiative in this matter before legislation is passed in many of the states requiring numerous, impractical, technical, highly detailed and costly measures which will only operate as an added burden to the construction industry and which are more or less questionably effective as accident prevention measures.

Sixth: Accident prevention work in the construction industry should include a careful, periodic inspection by a capable, impartial, trained engineer usually known as a safety engineer or inspector. This man must be peculiarly adapted for the work in that he must not incur the enmity of the man actually in charge of the operation but must demand his co-operation. His requests must not be arbitrary nor too insistent, otherwise he cannot expect to get anywhere near 100 per cent. co-operation or results. If he is the right kind of man and if he has the support and backing of the officials of your company, a great deal of good will result and a great many accidents will be prevented with-

out added expense, inconvenience or friction in your organization. This safety engineer or inspector should be a member of the accident prevention committee and should engage in all of its deliberations and activities and should have a very prominent part in the preparation and the making of the code or set of safe practices for your locality.

Seventh: The more serious accidents and all of the fatal accidents on your work should be subjected to investigation by a board of inquiry composed of a few members of your safety committee. This board should review carefully and impartially the causes leading up to the trouble and report its findings only in such manner as will tend to prevent and avoid a repetition of the accident. This has been found to be of great value in accident prevention work.

Finally: What the construction industry seems to require is the incentive or initiative to enter vigorously into this activity. We have all acknowledged that it is woefully behind other industries in this work, but we are ve encouraged by the interest and spirit and vigor of the last year and it only becomes necessary for those of us who know of the necessity and the desirability of this work to continue on and to work harder to convince others in our industry that they should become interested—yes, that they must become interested in this work.

The Present Difficulty

The difficulty up to this time has seemed to be to devise a plan whereby the average and the small construction firm can take an active part in this work. It may be taken for granted that the larger concerns are able within their organization to engage to a more or less extent in some kind of accident prevention activities. But it is most desirable that these larger concerns all should come into the Construction Section so that they may derive the benefit of the exchange of ideas and the co-ordination between their work and that of some other of the larger concerns which cannot be secured in any other way.

Now as to the average, or the smaller operator. It would seem, after studying this matter for some years that it is almost necessary that they join or affiliate themselves with some organization which can, in turn, function through the Construction Section of the National Safety Council. Let me suggest that in order to engage in this work that the smaller constructors affiliate themselves with some organization, either the local chapter of the Associated General Contractors of America, the Builders' Exchange, the Master Masons' Association, the local Safety Council of the Board of Commerce or some other group, for it has

been demonstrated conclusively that this accident prevention work can be done very much better in groups than by individuals.—*The Constructor*.

HOW WOOD LOSSES OCCUR

Decay, the Principal Cause, Can be Prevented by Using Treated Wood

BY DR. REGINALD H. COLLEY*

Pathologist Office of Investigations in Forest Pathology, U. S. Bureau of Plant Industry, in Co-operation With the Forest Products Laboratory

Regardless of differences of opinion as to when our supply of standing timber will be exhausted at our present rate of cutting, there is no doubt whatever that the depletion process has gone as far as we dare let it go. Conservation is, or ought to be, beyond the sentimental stage. Wood, we believe, will never be as scarce in this country as it is in lands where the forests have long ago disappeared, but the cut-over, heavily populated States are already feeling the pinch of a timber famine.† Each user of wood in any form has, therefore, an individual responsibility—a sort of national forest policy all his own—to secure from wood the greatest practical utility possible. By doing so he helps to hold off the felling of fresh timber to supply his needs.

The normal life of wood can be estimated only in the broadest terms. The reasons are obvious. Some woods are naturally more durable than others and last longer under similar service conditions. As a general rule heartwood is more durable than sapwood. Even the durable woods sometimes give out in a relatively short time if they are exposed to particularly unfavorable conditions. Wood which is kept dry will last for centuries—witness the furnishings in the tombs of ancient Egypt's kings—and wood which is kept thoroughly wet will last for geologic ages. In other words, the kind of wood, the kind of service and the conditions of service determine the period of use which may be reasonably expected. The wood fulfills its purpose if, with reasonable care, it gives the greatest practicable use in service.

Gradually the havoc wrought by wood-destroying insects is becoming better understood. There is one process, however, less appreciated by the average man, which destroys more wood annually than any other, possibly more than all of them put together—the insidious, constantly working process of decay.

*Extract from paper presented to the U. S. Senate Select Committee on Reforestation.

†See "Timber: Mine or Crop?" Separate No. 886, U. S. Department of Agriculture Yearbook, 1922.

Decay is caused by fungi. These lowly organisms attack wood in all such forms as lumber, logs and posts, and the result is—rotten wood. Perhaps that is overstating the case a little, for there are really two main types of fungi which attack wood—molds and wood-destroyers.

The molds include such organisms as the blue-stain fungus, which discolor wood. They are individually minute, but in masses they appear as bluish, blackish or variously colored "molds" or "mildews" on the surfaces of infected stock. As a rule they do not seriously injure the substance of the wood, but they often reduce its quality.

Wood-destroying fungi, on the other hand, produce more or less conspicuous fruit bodies commonly called conchs, or brackets, or toadstools—which, however, usually do not appear until decay is well advanced. They break down the substance of the wood and in the end make it absolutely worthless.

All wood is exposed at one time or another to the possibilities of attack by one or both of these types of fungi. In the first place, millions of board feet of our standing timber are rotten. Many butt logs are too defective to be worth removing from the forests. Let us assume that only the reasonably sound logs are hauled to the siding, mill, or storage yard. There remain innumerable chances for infection. The attack may take place while the wood is in log form; after it is cut into lumber and stacked for air seasoning; after it is in place in buildings; or during its period of service as a wooden article or wood product. The amount of deterioration varies, of course, in the different commodities.

The length of service obtained from a railroad tie, a telegraph pole, or a piece of mine timber depends partly on the conditions of service and partly on the time it takes for the wood to rot. The decay factor is the more important in most situations, because when weakened by decay the tie-rail cuts, the pole breaks over, and the mine timber buckles under the load. The end of the service period arrives earlier than it should because the strength of the wood is reduced as a result of fungus action.

Lumber and dimension stock of all kinds are subject to deterioration as a result of fungus action from the minute they leave the saw. Blue-stain fungi attack the sapwood of many species during the air-seasoning process; lumber rots in the storage yard and in the storage shed††; bridge timbers, trestles,

river wharves and piers, and many other rough outdoor structures simply crumple up after a comparatively few years' service. In certain warm, humid sections of the country the decay of lumber in buildings is a very serious problem.** Flooring and sills sometimes go out in six months. Rotten porches, steps, eaves, siding, window frames, floors, floor timbers and sills can be found anywhere in the United States. Individual cases may not be of much consequence, but the total amount of wood needed annually in the country for repair work is obviously very large.

The chances for decay can be reduced to a minimum by attention to details of construction and by the use of treated wood.

**See Humphrey, C. J. The Destruction by the Fungus "Portia Incrassata" of Coniferous Timber in Storage and When Used in the Construction of Buildings. Southern Lumberman, Vol. 49, No. 3, p. 36, Feb. 1, 1923. (See also Wood Preserving News, Vol. 1, No. 4, pp. 65-67, May, 1923.—Editor.)

BETTER MATERIALS OF CONSTRUCTION

Those who are fully acquainted with the durability and economy of preserved wood in engineering construction will be interested in the following editorial remarks of the Engineering News-Record, which urges the civil engineer to use and demand the best structural materials.

Most fields of production to satisfy the world's wants have registered a remarkable advance during the last 25 years. Methods and materials have been developed to a higher level, and costs have been reduced. Little or no advance is perceptible in the field of materials of construction. The quarter century has brought no change in efficiency of the major materials used by the civil engineer. Wood, steel, cement and the like are substantially the same in kind and quality as they were at the beginning of the century. Their production and distribution have come under more systematized control, with perhaps some minor influence on cost, but the materials themselves show no advance. The condition is curiously out of harmony with the continued forward movement in other lines of materials.

It may be that this absence of progress indicates that the civil engineers' materials have reached their highest point of perfection, since obviously there can be no better than the best. But this is quite improbable, and few users of any

one of these materials would be ready to admit that the acme of quality and variety has been reached. It is much more likely that the arts which produced the materials of construction have been marking time in technical respects, being so much preoccupied by the routine of production and marketing that no tendencies to develop advance could make headway.

If this is the case, the production of engineering construction is distinctly out of step with other technical activities. Lack of advance in materials is bound to mean lower efficiency and higher cost of the final output as compared with other fields of production. Is it possible that this condition is related to the fact that building costs more than anything else today—that it is at a level of 1½ to 2½ times the pre-war cost?

Improvement of quality is usually the result of two factors, competitive pressure of business and the natural seeking of men of brains to do their work constantly better.

Some recent movements suggest that the stationary period may be drawing to a close, however. Active study of lumber grading to give better quality and more complete utilization of the forest is an instance of a general mustering of forces for a new advance.

Both the static condition of materials production during the past quarter century and the reawakening of the spirit of improvement are attributable to some degree to the engineer, who makes use of the materials. Whenever the user needs an improved material and insistently demands it, the producing industry is very likely to supply it sooner or later; while the absence of a demand from the user will tend to encourage lack of progress by the producer. Had there been sufficiently urgent demand from the field of engineering, therefore, it is likely that advance in the quality of materials would have continued, as a response to this demand. The engineer has been largely occupied with his own problems, and remained content to accept the current qualities of materials as wholly adequate. Correspondingly, the awakening demands from the circle of users for better materials of construction has been a direct influence in bringing about the new movement.

If the development of construction materials is about to be resumed, therefore, the civil engineer as user of these materials has a part to play in maintaining and guiding this advance. His direct participation in the work of the advance is important. By giving expression to his demands for better quality, and taking advantage of each step of advance as soon as the producer makes it available to him, the engineer will assure the certainty of progress.

††See Humphrey, C. J. Timber Storage Conditions in the Eastern and Southern States With Reference to Decay Problems. Bulletin No. 510, U. S. Department of Agriculture, 1917.

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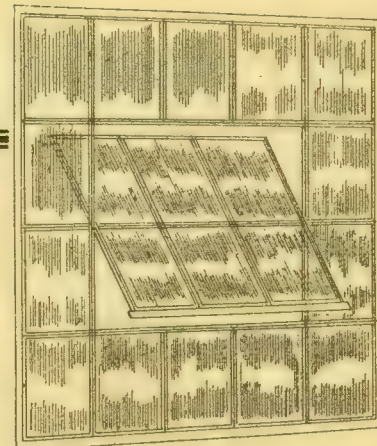
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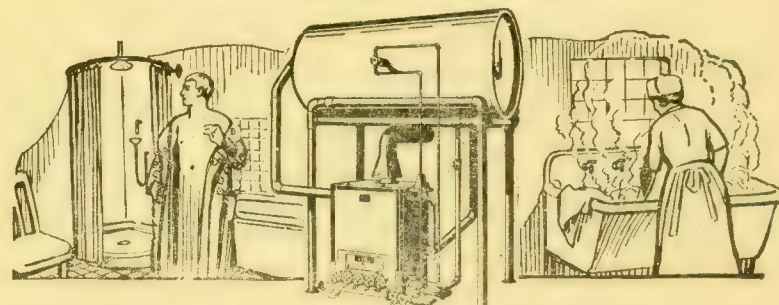
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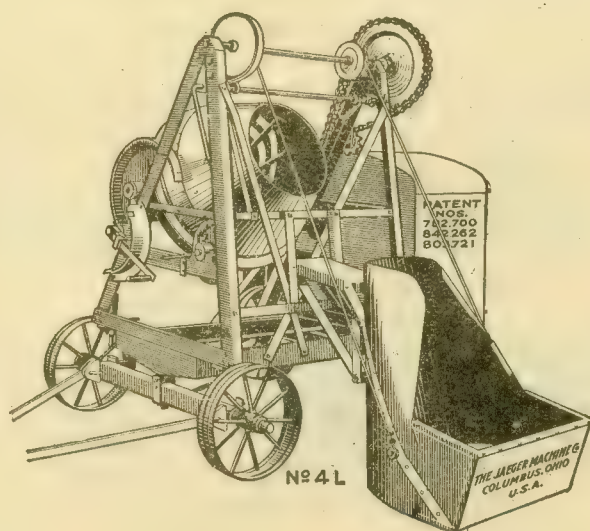
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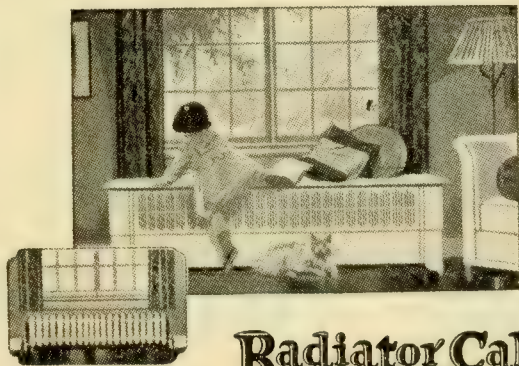
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Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

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As The Editor Sees It



THE estimated cost of all buildings, alterations, additions, repairs and miscellaneous work in buildings for which permits were issued by the Philadelphia Bureau of Building Inspection for 1924 was \$141,737,460, according to detailed reports printed on other pages of this issue of the GUIDE, an increase of \$19,086,525 over 1923, which, before 1924, was the greatest record of any year.

Dwelling Construction shows an increase in 1924 of 4,121 houses of all types over 1923 at an increase in estimated cost of \$8,447,855. Philadelphia was 21,423 houses short of requirements at the beginning of 1924. This year the increase of 2,867 over the average number, 7,150, of houses built annually heretofore has reduced the house shortage in Philadelphia to 18,556 houses. 10,017 houses of all types were built in 1924 and only 5,896 were built in 1923. As is usually the case, the greatest volume of any class of buildings started in 1924 was in residential buildings, \$57,773,225, compared to \$49,325,370 expended in 1923 for residences. Next to residential construction, Power houses showed the greatest value, as \$12,659,000 was the cost of buildings of this class. This was due to the enormous new plant of the Philadelphia Electric, a permit for which was issued in August at the estimated cost of \$12,000,000. Power houses showed an increase over 1923 in

value of \$12,380,900, although an increase in number of only two. Office Buildings came next in volume with 38 new structures, costing \$10,141,100, a decline of 3 and a drop of \$2,375,100 in value. Tenement Houses were next in order with 101 costing \$8,883,000, a considerable increase over 1923, when 66 tenement houses, costing only \$4,086,840, were started. Garages, with 2,778, costing \$6,951,430, followed, although only an increase of 256 over the number built in 1923; 2,522 costing \$5,415,885. Manufacturing next on the 1924 list showed a great decline over 1923, 80 costing \$7,680,400 were built in 1923, and only 59 cost \$5,873,735 in 1924. There was one more school started in 1924 than in 1923, although the 15 schools in 1923 cost \$7,212,315, and the 16 in 1924 cost \$4,394,435. Club houses followed with \$3,008,650 for two buildings of this class in 1924, whereas in 1923, 5 club houses cost approximately the same as was expended in 1924, \$3,155,185. Stores, next in volume, with 101, costing \$2,796,050, show an increase over 1923 when 67, costing \$2,296,550, were begun. Next came Churches, with a surprising increase in number, from 9, costing \$633,500 in 1923, to 27, totaling \$2,620,850 in 1924. This shows that Church advertising is paving, or the religious sentiment of Philadelphia is increasing; a praiseworthy accomplishment, no matter how or why achieved.

March exceeded all months in the number of operations started with 3,322, although the banner month in point of value of new work was August with \$23,047,300, the greatest record for August in the history of construction in Philadelphia.

Estimated Cost for Each Month 1924

Month	Permits	Operations	Estimated Cost
Jan.	884	1,249	\$ 8,642,525
Feb.	956	1,454	7,173,885
March ...	1,610	3,322	15,756,560
April	1,582	2,675	18,946,260
May	1,735	2,731	10,940,375
June	1,577	2,040	11,108,880
July	1,564	2,380	11,162,525
Aug.	1,241	1,754	23,047,300
Sept.	1,029	1,984	8,665,805
Oct.	1,369	1,994	12,066,625
Nov.	975	1,387	6,079,970
Dec.	786	1,264	8,141,750

Total ..15,307 24,234 \$141,737,460

The following table shows the total for each year back to and including 1909: Operations Estimated

Year	Operations	Estimated Cost
1909	17,294	\$ 42,881,370
1910	16,383	37,866,565
1911	16,215	40,030,985
1912	14,907	37,173,635
1913	14,813	38,763,850
1914	15,709	35,419,605
1915	17,712	39,444,125
1916	15,613	49,896,570

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1917	8,977	34,016,408
1918	5,950	15,452,670
1919	14,509	65,088,750
1920	12,512	55,305,400
1921	14,654	42,790,780
1922	22,588	114,881,040
1923	21,546	122,650,935
1924	24,234	141,737,460

More garages have been built in 1924 than in any previous year in the history of construction in Philadelphia. The official records of the Bureau of Building Inspection show that 2,778 garages have been built at an estimated cost of \$6,951,430.

Record for Ten Years

The number of garages, with estimated cost, for the last ten years follows:

Year	No. of garages	Cost
1915	595	\$ 723,260
1916	878	1,307,340
1917	833	1,296,310
1918	480	833,320
1919	1,322	2,726,540
1920	1,153	2,502,290
1921	1,569	3,505,695
1922	1,909	5,072,765
1923	2,522	5,415,885
1924	2,778	6,951,430

April Leads This Year

The most active month was April, with 314 structures, while the next active month was October with 308 buildings. The totals in all the other months have been above the 200 mark, excepting January, February, November and December.

The total number of garages erected this year, according to permits issued by the Bureau of Building Inspection, follows:

Month	No. of structures	Cost
January	148	\$ 598,780
February	137	476,825
March	227	587,815
April	314	725,560
May	303	570,575
June	292	629,180

July	264	780,860
August	223	482,510
September	232	492,385
October	308	713,990
November	189	546,615
December	141	352,335

Total 2,778 \$6,951,430

The Forty-second Ward with 2,689 dwellings erected in 1924 led all districts and built twice as many residences as the next largest district in, house construction, the Fortieth Ward, with a record of 1,131. In 1923 the Forty-second Ward built 2,441 dwellings, over three times as many as any other ward.

Reports from over all the country show a marked increase in building in 1924 over 1923. 12 per cent. was the average increase over the country. Philadelphia showed an increase of over 15 per cent. Construction activity continued at a fairly even pace throughout the year.

Contemplated new work for 1925 shows a tendency toward public works, utilities, industrial buildings and the smaller types of residential buildings. Some new office buildings are being planned for Philadelphia, a large program of school construction and miscellaneous work in course of planning assures the Building Trades continued activity for some time.

All live men are advertisers, and the only man who should not advertise is the man who has nothing to offer to the world in the way of human service, and such a man is a dead one, whether he knows it or not. Advertising is a legitimate and ethical proposition. Life is too short for you to hide yourself away, mantled in your modesty, and let the world hunt you out. Even the dead are advertisers, for on visiting a beautiful cemetery the other day, I noticed that on nearly every marble slab was given a list of the virtues, talents and beautiful qualities which the dead man was supposed to have carried in stock. This is what you call non-productive advertising, or advertising from an emotional standpoint.—Elbert Hubbard.

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Commercial Office Building, Northeast Corner Nineteenth and Arch streets, Philadelphia. Architect, private plans. Owner, J. C. Kahn, Morris Building, Philadelphia. Reinforced concrete, face brick, 16 stories and basement, 120x142 feet, steam heat, electric light, hollow metal windows, galvanized iron skylights, tin clad, kalamein and hollow metal doors, metal bulks, miscellaneous iron work, slag roof, cement, marble and terrazzo floors, 7 high speed elevators, ornamental and plain plastering, granite base, underpinning, cast iron spandrels, ornamental terra cotta, wire glass, plate glass, cut cast stone and limestone, structural steel. Plans in progress.

Office (alts. and add.), 109 South Twenty-second street, Philadelphia, \$5,500. Architect, private plans. Owners, Wynnewood Realty Co., 10 South Eighteenth street, Philadelphia. Brick, 3 stories add., 16x25 feet 6 inches, general alterations. Owners will build.

Garage, 920 South Fifty-third street, Philadelphia, \$2,000. Architect, private plans. Owner, H. Develitian, 28 South Cecil street, Philadelphia. Brick, 1 story, 42x17 feet, slag roof, cement floors, electric lighting. Owner will build.

Store and Office (alts.), 1823-25 Chestnut street, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Westney & Buckley, care of architect. Architect taking bids on electric work due January 19th.

Office Building, Twenty-fifth and Parkway, Philadelphia. Architects, Zantzinger, Borie & Medary, Otis Building, Philadelphia. Owners, Fidelity Mutual Life Ins. Co., Mr. W. L. Tabor, 112 North Broad street. Reinforced concrete, stone, steel. Sketches in progress. Too early for details.

Building, Fifty-fifth and Sansom streets, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owner, T. A. Bradley, Security Bank Note Co., 223 Chestnut street, Philadelphia. Reinforced concrete, 3 stories, 136x130 feet. Sketches in progress.

Residence (alts. and add.), Holmesburg, Pa. Architect, Samuel D. Milner, 1117 Foulkrod street, Philadelphia. Owner, name withheld. Interior alterations, heating and light-

ing extensions, shingle roof, plumbing, hardwood floors, mill work, painting. Plans in progress.

Residence (alts. and add.), Holmesburg, Philadelphia, Pa. Architect, Samuel D. Milner, 1117 Foulkrod street, Philadelphia. Owner, name withheld. Hot water heat, hardwood floors, painting, plumbing. Plans in progress.

Felton Theatre (alts. and add.), Northwest Corner Rising Sun and Loudon street, Philadelphia. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owner, Samuel Shapiro, care of architect. Brick, 1 story, 50 x irregular, slag roof, new stores, flush bulks, general alterations. Plans in progress.

Building (alts.), 26 and 28 South Sixteenth street, Philadelphia. Architect, C. A. Ziegler, 1309 Locust street, Philadelphia. Owner, H. T. Saunders, 31 South Eighteenth street, Philadelphia. Plans in progress. Ready for bids in a few days.

Apartment House, Northwest Corner Seventeenth and Locust streets, Philadelphia. Architect, Frank E. Hahn, 629 Chestnut street, Philadelphia. Owner, care of Greenfield & Taube, Fox Building, Philadelphia. Stone, brick, reinforced concrete, terra cotta, limestone, 18 stories, 100x175 feet, slag roof, hardwood and pine floors, tile and marble work, steam heat, electric light, elevators, ornamental iron work. Plans in progress. Will take bids about April 1st.

Garage, Northwest Corner Broad and Pine streets, Philadelphia. Architect, Abraham Levy, Real Estate Trust Building, Philadelphia. Owner, name withheld. Steel, concrete, stone, brick, 3 stories and basement, 68x50 feet, marble work, steam heat, electric light, asphalt roof, concrete floors and concrete ramps, steel fire doors, wire glass, flush bulks, cinder block, turn tables. Plans in progress. Ready for bids in two weeks.

Church (interior completion), Torresdale, Philadelphia. Architect, Samuel D. Milner, 1117 Foulkrod street, Philadelphia. Owners, Wissinoming Presbyterian Church, Torresdale avenue, Philadelphia. Mill work, plastering, electric light, steam heat, plumbing. Architect taking sub-bids due as soon as possible.

Railroad Siding and Road, Wissahickon avenue and Abbotsford Road, Philadelphia.

Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Atwater-Kent Co., 4927 Stenton avenue, Philadelphia. Concrete work, ties, iron rails, siding 186 feet long, road 450 feet long. Architects taking sub-bids due January 15th.

Loft Building (remodel), 20 North Third street, Philadelphia. Architect, E. A. Roth, Drexel Building, Philadelphia. Owner, H. Uditsky, on premises. Brick, 5 stories, 40x100 feet, steam heat, plumbing, elevators, general remodeling. Architect taking sub-bids.

Residences and Garages (146), Broad and Bigler streets, Philadelphia. Architect, Karl F. Otto, 1828 Arch street, Philadelphia. Owner, Pompey Ansell, Sixty-sixth and Lansdowne avenue, Philadelphia. Blue granite stone, 2 stories, 20x40 feet, hot water heat, electric light, tile work, Spanish tile roof, oak floors, ornamental iron work. Owner taking sub-bids, ready for building in the spring.

Cooling Tower, Thirty-first and Chestnut streets, Philadelphia. Architect, private plans. Owners, Abbott's Alderney Dairies, Thirty-first and Chestnut streets, Philadelphia. Steel, iron and cement work. Owners taking bids due as soon as possible.

Residence, Bells Mill Road, Chestnut Hill, Pa. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, Lewis N. Lukens, Jr., 132 South Fourth street, Philadelphia. Plans will be ready for the builders January 12th. Bids due January 23rd.

Residence, Chestnut Hill, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner, Dr. Alex. Randall, Medical Arts Building, Philadelphia. Brick, 2½ stories, 72x33 feet (plumbing, heating and electric reserved), shingle roof, oak and pine floors, tile work, iron work. Architects taking bids due January 15th.

Twin Residence, Rural avenue, Mt. Airy, Philadelphia. Architect, private plans. Owners, Mrs. Jennie Hursch and Robert T. Cantley, 1840 Bouvier street. Stone, 2½ stories, 46x78 feet, slate roof, oak and pine floors, hot water heat, electric light, tile work. Owners taking bids due January 15th.

Fire Repairs, 2514 North Broad street, Philadelphia. Architect, Leroy B. Rothschild, 215 South Broad street, Philadelphia. Owner, Jacob Kahn, on premises. Steam heat,

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steel sash, carpentry and mill work, plaster-
ing, painting and glazing. Owner taking bids
due as soon as possible.

Residence (alts. and add.), Queen Lane
Manor, Pa. Architect, Adiel Martin Stern,
413 North Thirty-eighth street, Philadelphia.
Owner, Ralph Whitaker, Queen Lane Manor,
Pa. Stone, 2 stories and 1 story, 15x20 feet,
12x15 feet, hot water heat, electric light,
slate roof, cement and oak floors. Architect
taking bids due January 16th.

Miscellaneous Work, Philadelphia. Archi-
tect, private plans. Owners, Department of
Wharves, Docks and Ferries, 211, Pier No.
4, South Wharves. Owners taking bids due
January 23rd at noon. Schedule A, the con-
struction, with appurtenant work, of eleva-
tors for Porter Street Pier, No. 4, South
Wharves. Schedule B, the construction of
the steel derrick scow, No. 22. Schedule C,
the emergency work of repairing the float-
ing plant. Plans may be obtained from Room
204, Municipal Pier No. 4, South Wharves,
upon a deposit of \$10.00 each for Schedules
A and B, which will be refunded. Schedule
C will be furnished free of charge. Certified
check 5 per cent. of amount of bid must
accompany each bid.

Supplies, Paving, Etc., Fairmount Park,
Philadelphia. Chief engineer, Alan Corson,
127 City Hall, Philadelphia. Owners, Com-
missioners of Fairmount Park, 127 City Hall,
Philadelphia. Owners taking bids due Jan-
uary 19th at noon. Lumber, brick, cement,
gravel, machinery, paints, glass, iron, steel
castings, plumbers' supplies, stoves, tin, set-
tee, picnic tables, border iron, terra cotta
pipe, flower pots, seeds, oats, hay, rubber
goods, road oils, lubricating oils, grease, sun-
dries, brushes, brooms, stationery, manure,
fertilizers, fish supplies, broken trap rock,
screenings, tree guards, top soil. Paving,
curbing, cut granite, vitrified brick, asphaltic
road paving, concrete sidewalks, curb, clean-
ing wells. Bond or certified check.

Supplies, Philadelphia. Purchasing agent,
E. J. Lafferty, 312 City Hall, Philadelphia.
Owners taking bids due January 19th at
noon. Coke, fire clay, cement, fire brick, etc.
Lubrication oils, grease, etc. Certified check
of 5 per cent. must accompany all bids.

Core Borings, Schuylkill River, Penrose and
University avenues, Philadelphia. Owners,
Bureau of Engineers, Department of Public
Works, G. H. Biles, 216 City Hall, Philadel-
phia. Owners taking bids due February 3rd
at noon. Inquire Room 416. Core borings, in
Schuylkill River at site of proposed bridges
at Penrose and University avenues, near
Thirty-fourth street, Philadelphia.

Residences, (38) 400-42 and 417-45 East

Montana street, Philadelphia. **Residences**
(32), 416-46 and 417-47 East Phil-Elena
street, Philadelphia, \$370,000 total. Archi-
tect, private plans. Owner, E. S. Davis, 314
Vernon Road, Philadelphia. Brick, 2 stories,
20x32 feet, slag roof, hardwood and pine
floors, hot water heat, electric light. Owner
will build.

Garage, 2823-29 West Susquehanna avenue,
Philadelphia, \$22,700. Architect, private
plans. Owners, Cohen & Sharpkin, 2438 North
Napa street, Philadelphia. Brick, 1 story,
72x120 feet, slag roof, cement floors, electric
lighting. Owners will build.

Residences (49), Stores and Residences
(7), Seventeenth and Bigler streets; Cleve-
land, Moyamensing avenues and Bigler
street, \$210,000. Architect, private plans.
Owner, Charles M. Weild, 2737 South Six-
teenth street, Philadelphia. Brick, 2 stories,
various sizes, slag roof, pine and hardwood
floors, electric lighting. Owner will build.

Residences (2), Coulter street, East of Fox
street, Philadelphia, \$19,000 total. Architect,
private plans. Owner, G. H. English, Mt.
Airy and Emlen streets, Philadelphia. Stone,
3 stories, 22x41 feet, 15x22 feet, 15x22 feet,
22x51 feet, slate roof, hardwood and pine
floors, hot water heat, electric light, tile
work. Owner will build.

Office (alts.), Northeast Corner Fifty-first
and Lancaster avenue, Philadelphia, \$20,000.
Architect, private plans. Owners, Jacob
Myers & Sons Co., Witherspoon Building,
Philadelphia. General alterations. Owners
will build.

Apartment (alts. and add.), 76 East Logan
street, Philadelphia, \$5,000. Architect, pri-
vate plans. Owners, H. E. Cassel & Son,
4640 Stenton avenue, Philadelphia. Brick, 1
story, 8 feet 6 inches x 10 feet, and 2 sto-
ries, 7 feet 6 inches x 10 feet, general altera-
tions. Owners will build.

Residences (9), North side Nedro avenue,
East of Twenty-first street, \$4,000 each. Ar-
chitect, private plans. Owners, Dash, Lerner
& Kushner, 344 East Eleanor street, Philadel-
phia. Brick, 2 stories, (1) irregular shape,
(8) 15x37 feet, hot water heat, electric light,
slag roof. Owners will build.

Residence, 4314 Pilling street, Philadel-
phia, \$3,500. Architect, private plans. Own-
ers, N. Ferraro & Co., 4312 Pilling street,
Philadelphia. Brick, 2 stories, 16x24 feet,
13x17 feet, slag roof, pine floors, electric
lighting. Owners will build.

Residence (add.), 5703 Baltimore avenue,
Philadelphia, \$4,000. Architect, private plans.
Owner, Mrs. Bertha Magill, 6129 Ellsworth
street, Philadelphia. Brick, 1 story, 16x8 feet,
1 story, 13x22 feet, and second story, 8x13
feet, slag roof, hardwood and pine floors,
electric light. Owner will build.

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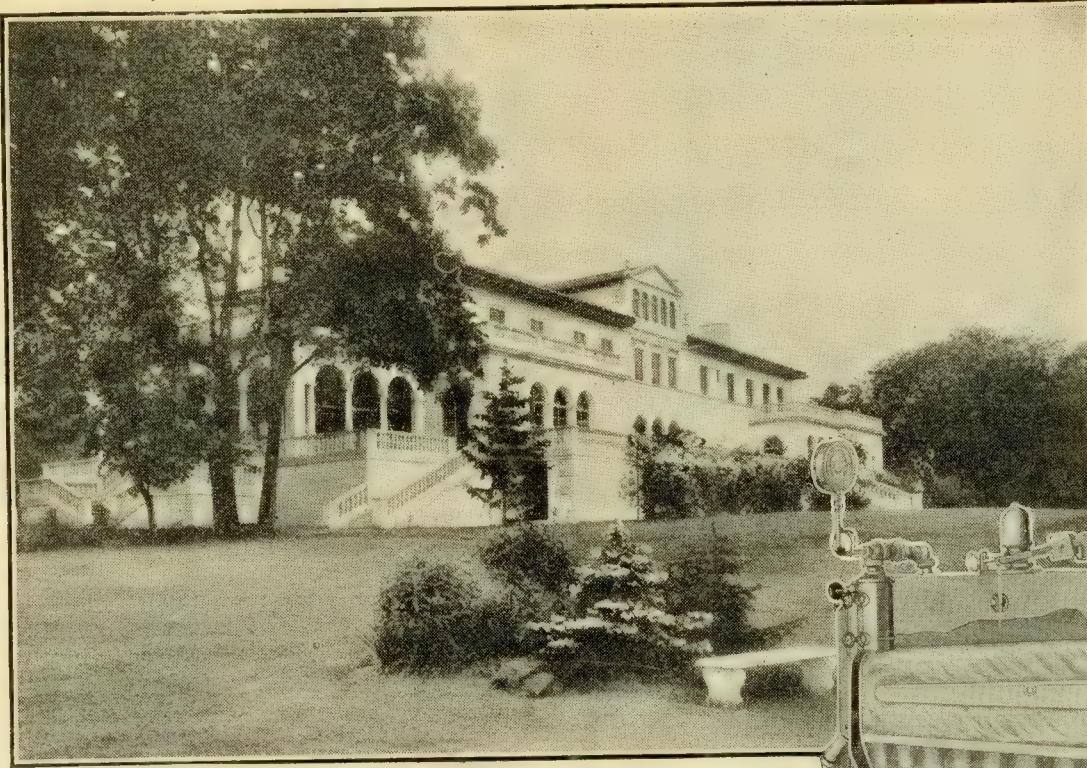
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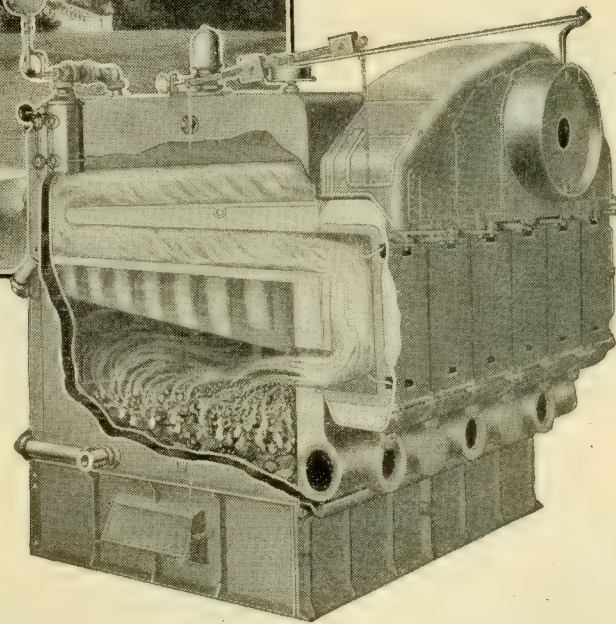
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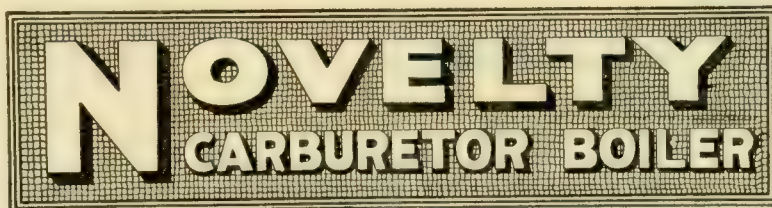
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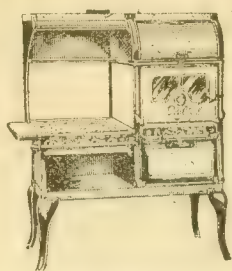
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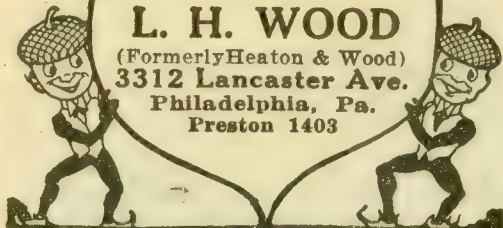
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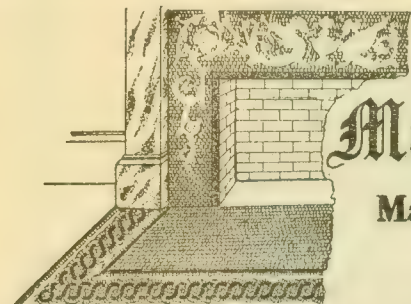
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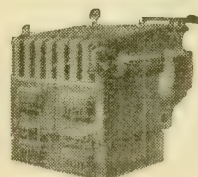
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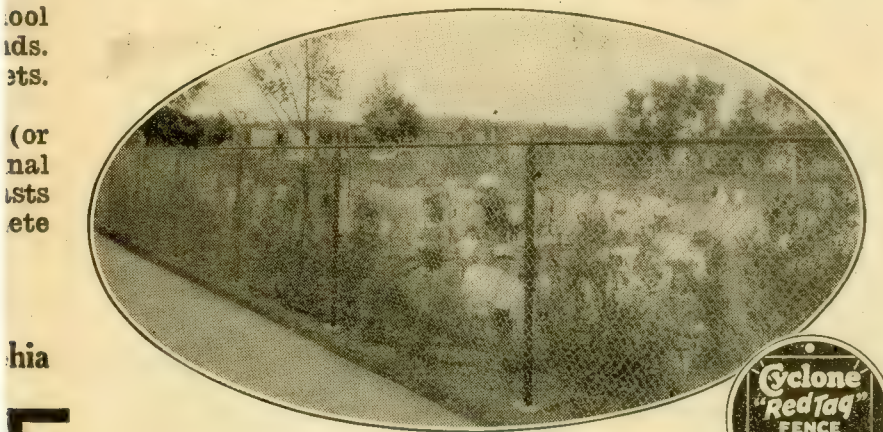
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Residences (2), 7406-08 Montour street, Philadelphia, \$3,500 each. Architect, private plans. Owner, Peter Heiott, 7402 Montour street, Philadelphia. Brick, 2 stories, 16x35 feet, pine floors, slag roof, hot water heat, electric light. Owner will build.

Garage, East side Third street, North of Cayuga street, Philadelphia, \$3,300. Architect, private plans. Owner, Walter Underkoffler, 4417 North Third street, Philadelphia. Brick, 1 story, 120x16 feet, slag roof, cement floor. Owner will build.

Walton School (new wing), Twenty-seventh and Huntingdon street, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, cut stone, steel, reinforced concrete, 3 stories and basement, metal lath (plumbing, heating, electric light separate), gypsum tile and slag roof, cement and maple floors, metal weather strip, metal ceilings, tile and marble work, rolling steel sash and doors, hollow metal doors, ornamental iron work, limestone, granite, caulking. Low bidders: William Langhorne, 10 South Eighteenth street, Philadelphia, \$246,972; Evans Steele Co., 2217 Chestnut street, Philadelphia, \$249,867. Electric, Walker Kepler, 531 Chestnut street, Philadelphia, \$5,538. Heating, S. Faith & Co., 2427 Pennsylvania avenue, Philadelphia, \$35,880. Ventilating,

Mellon Co., 4419 Ludlow street, Philadelphia, \$1,075. Plumbing, S. Faith & Co., 2427 Pennsylvania avenue, Philadelphia, \$13,365.

Schools, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. No. 397, Cook, Jr., High School, low bidder, Walker Kepler, 531 Chestnut street, Philadelphia, \$737. No. 398, various schools, Walker Kepler, 531 Chestnut street, \$1,461. No. 399, low bidder, Walter Jagman, 1414 South Second street, Philadelphia, \$2,400. No. 400, low bidder, Walker Kepler, 531 Chestnut street, Philadelphia, \$1,588.

East Germantown Playground, East Chelton and Ardleigh street, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Works, Bureau of Recreation, Philadelphia. Low bidders: Joseph Houseworth, 2512 North Twenty-seventh street, Philadelphia, \$7,797, \$6,677; McCormick-Lenham Co., 2403 South Broad street, Philadelphia, \$10,535, \$6,435; George Dobbins, 1020 South Forty-seventh street, Philadelphia, \$9,800, \$7,000. Plumbing, J. Bugger, 2124 East Cumberland street, Philadelphia, \$1,398. Electric, J. F. Buchanan Co., 1904 Sansom street, Philadelphia, \$456. Francisville Playground, Francis and Sherley streets, Philadelphia. Low bidders: Elkins Paving Co., 529 Morris street, Philadelphia, \$4,300; McCormick-Lenham, 2403 South Broad street, Philadelphia, \$4,945.

slag roof, oak and cement floors, hollow tile, ornamental terra cotta, hollow tile, elevators, shoring, ornamental iron work, bond, galvanized iron skylights, tile and marble work, vapor heat, electric light, ornamental plaster, galvanized iron pipe, plumbing. Contract awarded to Boyle-Robertson Co., Evans Building, Washington, D. C.

Garage, Fifteenth and Windrim avenue, Philadelphia. Architect, E. A. Roth, Drexel Building, Philadelphia. Owner, Harry Chervin, 4920 North Broad street, Philadelphia. Brick, steel, 2 stories, 100x100 feet, irregular, composition roof, concrete and plank floors, concrete ramps, hollow metal skylights, rolling steel sash, steam heat, electric light. Contract awarded Alex. Laub, 812 West Wyoming avenue, Philadelphia.

Lavatory, Independence Hall, Philadelphia. Owners, Department of Public Works, Bureau of City Property, Philadelphia. Marble and slate work. Contract awarded Kaufman Const. Co., Pennsylvania Building, Philadelphia.

Apartment (alts.), 1818 West Tioga street, Philadelphia, \$5,100. Architect, private plans. Owner, Henry Miller, 1726 West Tioga street, Philadelphia. General alterations. Contract awarded to Edw. B. McCall, Sixty-fifth avenue and Park avenue, Philadelphia.

Rooming House (alts.), 1933-37 West Tioga street, Philadelphia, \$4,400. Architect, private plans. Owners, Sloan & Jones, 1009 Land Title Building, Philadelphia. Carpentry, mill work, painting, plastering, general alterations. Contract awarded to P. Haibach Cont. Co., 1261 North Twenty-sixth street.

Dairy (add.), 129 North Fifty-sixth street, Philadelphia, \$3,000. Owners, Abbott's Alderney Dairies, Thirty-first and Chestnut streets. Brick, 1 story add., 40x15 feet, slag roof, electric work. Contract awarded to William G. Uhlers Sons, Twenty-fifth and Snyder avenue, Philadelphia.

Manufacturing and Storage Building (alts. and add.), 227 Vine street, \$3,000. Architect, private plans. Owners, S. Twitchell & Co., on premises. General alterations and additions. Contract awarded to Samuel S. Snyder, 1232 Marlborough street, Philadelphia.

Residence (add.), 748 West Carpenter street, Germantown, Philadelphia, \$3,000. Architect, private plans. Owner, Charles Gebhart, on premises. Brick, 1 story front add., 17x9 feet 1 story rear add., 17x13 feet. Contract awarded to W. F. Roth, Jr., Erdenheim, Pa.

Store (alts.), 348-50 North Front street, Philadelphia, \$3,000. Architect, private plans. Owner, Marie B. Hartzell, 801 South Fifty-seventh street, Philadelphia. General alterations. Contract awarded to Frank I. Wintz, 1618 North Twenty-seventh street, Philadelphia.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Store and Warehouse (alts.), 50-52 North Seventh street, Philadelphia, \$4,000. Architect, private plans. Owners, Franklin Electric Co., 15 North Seventh street, Philadelphia. General alterations. Contract awarded to Joseph Cichiny, Jr., 2231 Green street, Philadelphia.

Stable (add.), 643 West Carpenter street, Philadelphia, \$3,400. Architect, private plans. Owner, J. A. Michael, on premises. Brick, 1 story add., 36 feet 6 inches x 34 feet 7 inches. Contract awarded to L. D. Stites, 126 Herman street, Philadelphia.

Nurses' Home (add.), Thirty-fourth and Spruce streets, Philadelphia. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, University Hospital, on premises. Brick, reinforced concrete, steel, 3 stories and basement, 34x72 feet (plumbing, heating, electric reserved), gypsum slate roof, cement and com-

position tile floors, metal lath, tile and marble work, bond, shoring, ornamental iron work, flagstone, cast stone, dumb waiters, rubber tile. Contract awarded F. L. Hoover & Son, 1023 Cherry street, Philadelphia.

Boathouse, Fairmount Park, Philadelphia. Architect, Edward Hoffman, Jr., 313 South Fifteenth street, Philadelphia. Owners, Council of Athletics, University of Pennsylvania, Thirty-fourth and Spruce streets. Plaster, frame, 2 stories add., 46x24 feet, shingle roof, cement floors. Contract awarded W. R. Dougherty, 1610 Sansom street, Philadelphia.

Pelham Court Apartment Building No. 3, Emlen and Carpenter streets, Germantown, Philadelphia. Architect, B. Stanley Simmons, 1013 Fifteenth street, N. W., Washington, D. C. Owners, Pelham Terrace Apartments, J. Jones and E. Hutchinson, Jr., on premises. Brick, reinforced concrete, cut stone, steel, 9 stories and basement, 96x174 feet 8 inches,



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Tank and Foundations, 3079-81 Helen street, Philadelphia, \$5,000. Engineers, The Cooling Tower Co., 15 John street, New York. Owners, Merchants' Ice Mfg. Co., 3080 Emerald street, Philadelphia. Steel and concrete. Contract awarded to William H. Chambers, 3354 Emerald street, Philadelphia.

Store and Hall (alts.), 1233-35 Columbia avenue, Philadelphia, \$4,500. Architect, private plans. Owner, P. Pearlstein, 1831 North Park avenue, Philadelphia. General alterations. Contract awarded to S. H. Zurch, 125 South Fifty-fourth street, Philadelphia.

Residence and Garage (alts. and add.), 309 East Thirty-seventh street, \$3,000. Architect, private plans. Owner, Henry W. August, City Center Building, Philadelphia. Brick, 1 story, 25x10 feet, 1 story, 8x8 feet, general alterations. Contract awarded to W. K. Collyer, 8009 North Twenty-ninth street, Philadelphia.

Gasoline Station (alts.), Southeast Corner Frankford and Shackamaxon street, Philadelphia, \$2,500. Architect, private plans. Owner, Joseph H. Edelman, 227 West Girard avenue, Philadelphia. General alterations. Contract awarded to Conneen Const. Co., 2313 Walnut street, Philadelphia.

Pennsylvania Construction News

Bridge, Jonestown, Lebanon County, Pa. Engineer, J. B. Long, Norristown, Pa. Owners, Lebanon County Commissioners, Lebanon, Pa. Reinforced concrete, 3 span, 80 feet each, 30 feet wide, waterproofing. Engineer and owners taking bids due January 23rd.

Apartment House, Montgomery avenue, Haverford, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, name withheld. Brick, limestone, steel, 3 stories and basement, 126x33 feet, wing 68x48 feet, wing 106x33 feet, slate, slag roof, oak, pine and linoleum floors, hollow tile, metal lath, tile and marble work, metal casements, ornamental iron work, bluestone. Architects taking revised bids due as soon as possible.

Residence, Haverford, Pa. Architects, McIlvaine & Roberts, Otis Building, Philadelphia. Owner, Mrs. Samuel Bettel, care of architect. Architects taking bids due January 19th.

Residences (2), Overbrook, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, McWilliams & McKernan, 532 South Fifty-second street, Philadelphia.

Frame, 3 stories, 16x45 feet, slate roof, hardwood floors, steam heat, electric light, tile and marble work. Owners taking sub-bids.

Alterations and Addition to Entrance Way, Store Building, Windber, Pa. Architect, H. L. Reinhold, 1513 Walnut street, Philadelphia. Owners, Eureka Store, Windber, Pa. Tile and marble floors, plate glass, metal bulks. Plans in progress.

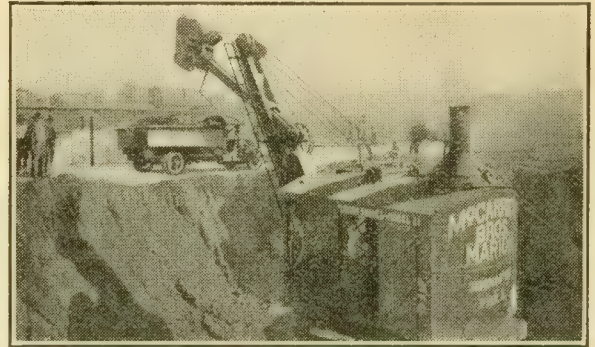
High School, Llewellyn, Pa., \$100,000. Architect, Frank X. Reilly, 112 South Center street, Pottsville, Pa. Owners, Branch Township School District, H. A. Gottschall, president, Minersville, Pa. Brick and stone, 2 stories and basement (heating, electric work and plumbing separate). Owners will be ready for bids about January 15th.

Sub-Station and Foundations, Pine Ridge, Nether Providence, Delaware County, Pa. Engineers, Ford, Bacon & Davis, Morris Building, Philadelphia. Owners, Philadelphia & Garretttsford Street Railway Co., care of Philadelphia & Western Railway, Mr. M. H. Taylor, P. O. Building, Upper Darby, Pa. (Lansdowne 708). Stone, reinforced concrete, 1 story, 38x16 feet, reinforced concrete and slag roof, electric wiring, rolling steel sash, waterproofing. Owners taking bids due January 16th.

Storage and Machine Shop Building, Carlisle, Pa. Engineers, Lockwood Greene Co., 100 West Forty-second street, New York City. Owners, C. H. Masland & Son, Inc., Carlisle, Pa. Reinforced concrete and brick, 2 stories and basement, 190x81 feet, wing 109x50 feet (plumbing, heating, electric, steel, mechanical equipment resered), slag roof, cement and maple floors, safety treads, roof ventilators, metal lath, rolling steel sash, iron stairs, ornamental iron work, sliding doors. Engineers taking bids due January 20th.

Apartments and Garages (alts. and add.), Fourth and Green Terrace, Reading, Pa. Architect, Warren D. Heinly, 7 South Fourth street, Reading, Pa. Owner, H. E. Willis Bland, 421 Green Terrace, Reading, Pa. Local brick, concrete, stone, 3 stories size of lot 101x69 feet, tin and slate roof, oak floors, vapor heat, electric light, tile work, metal covered windows and doors, waterproofing and dampproofing, fire escape, bond. Architect taking bids due January 21st.

Moose Temple (alts. and add.), Reading, Pa., \$400,000. Architect, William H. Lee, 1505 Race street, Philadelphia. Owners, Loyal Order of Moose, Reading, Pa. Stone, 3 stories, 75x220 feet, capacity 1800, slate roof, cement and hardwood floors, hollow tile, elevators, steam heat, electric light, tile and marble work. Plans about completed, ready for bids in two weeks.



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Bungalow, Royersford, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, H. E. Brandt, Walnut street and Seventh avenue, Royersford, Pa. Brick and concrete block, 1½ stories, 32x38 feet, hardwood and pine floors, electric lighting. Plans in progress.

Building (add.) and Office Building, Wilkes-Barre, Pa. Architects, Mack & Sahm, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Sanitary Cleaning & Dyeing Co., 66 South Washington street, Wilkes-Barre, Pa. Steel, brick, building add., 2 stories, 36x175

feet, office building, 3 stories, 36x80 feet, built-up roof, concrete floors, roof ventilators, iron stairs, floor hardener, fire doors, steel sash and skylights, metal lath, electric light. Architects taking bids.

New Jersey Construction News

Home (alts.), Trenton, N. J. (Municipal Colony). Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Own-

ers, City of Trenton, Home for the Aged, Trenton, N. J. General alterations, partitions. Owners taking bids due January 16th.

Residence and Garage, Ocean City, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owner, Charles B. Russell, 728 Asbury avenue, Ocean City, N. J. Hollow tile, brick, stucco 2½ stories, 26x42 feet, 1 story, 18x20 feet Spanish tile and slag roof, hardwood and concrete floors, hot water heat, electric light, tile work. Architect ready for bids.

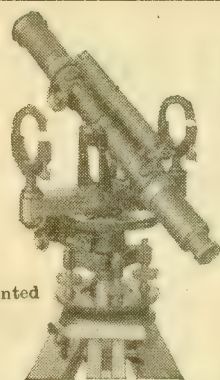
Assembly Hall, Atlantic City, N. J. Architects, Carrere & Hastings, 52 Vanderbilt avenue, New York City. Owner, Hotel Chelsea, Atlantic City, N. J. Brick, reinforced concrete, steel, cut stone, 2 stories and basement, 149x72 feet. Low bidder: F. V. Warren Co., 1913 Arch street, Philadelphia.

Residence, Margate Park, N. J. Architect, C. H. Adams, Chelsea Bank Building, Atlantic City, N. J. Owner, name withheld. Hollow tile and stucco, 2 stories, 20x30 feet, 12x12 feet, tile roof, pine floors, hot water heat, electric light, tile work. Plans in progress. Architect will take bids in ten days.

Apartment, Atlantic City, N. J. Architect, J. V. Mathis, Guarantee Trust Building, Atlantic City, N. J. Owner, Miller A. Cusaden, 3604 Atlantic avenue, Atlantic City, N. J. Brick, steel, 5 stories, 50x85 feet, slag roof, hardwood floors, elevators, terra cotta, ornamental iron work, iron stairs, limestone, tile and marble work, metal lath, hot water heat, electric light. Plans in progress. Architect will take bids in one week.

Cottage, Northfield, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owners, English & Sommers Co. Guarantee Trust Building, Atlantic City. Frame and stucco, 2½ stories, 27x37 feet, asphalt shingle roof, hardwood floors, hot water heat, electric light, tile work. Owners will take bids.

Department Store (alts. and add.), Atlantic City, N. J. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owner, Adolph Preis, Mt. Vernon and Atlantic avenues, Atlantic City. Steel, slow burning, 5 stories and basement, 55x100 feet (heating (steam), plumbing, electric light reserved), slag roof, maple floors, hollow tile, maple floors, elevators, waterproofing and dampproofing, ornamental iron work, iron stairs, rolling steel sash, tile and marble



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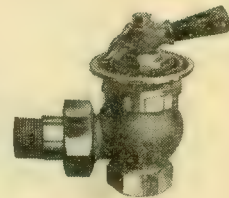
The Only Manufacturers of Genuine Chapman Slate

HEATING SPECIALTIES

Edwin Elliot & Co.

1011 Chestnut St.

PHILADELPHIA



Phone Locust 6325 for
WINDOW CLEANING

The Keystone

House and Window Cleaning Co.

1219 FILBERT ST., PHILA.

IMMEDIATE DELIVERIES

Step Ladders
Bricklayers' Ladders
Painters' Ladders
Rolling Ladders
Painters' Swing Staging

LADDERS

Extension Ladders
Sectional Ladders
Swinging Stages
Jacks and Hods

T. C. KREWSON, Manufacturer

BELL PHONE, KENSINGTON 5295

801 and 803 Master Street, Philadelphia

work, metal lath. Architects will be ready for bids in one week.

Bank, Haddon and Kaighn avenue, Camden, N. J. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Parkside Trust Co., Camden, N. J. Brick, steel, cut stone, concrete, granite, 2 stories and basement, composition roof, cement floors, hollow tile, shoring, waterproofing, architectural terra cotta, ornamental iron work, iron stairs, bond, tile and marble work, metal lath, steam heat, electric light, plumbing, revolving doors, rubberstone flooring, metal furniture, bronze work, bluestone, limestone. Architects taking bids due January 19th at 3 P. M.

Store (add.) and Apartment, Westville, N. J. Architect, Samuel D. Milner, 1117 Foulk-

rod street, Philadelphia. Owners, Adams Brothers, Westville, N. J. Concrete block, brick, 1 story, 16x40 feet, slag, asbestos, shingle roof, composition floors, plumbing, hot water heat, electric light. Owners taking general bids.

steel sash and skylights, kalamein doors, bond, ornamental iron work, iron stairs (plumbing, heating and electric separate bids). Contract awarded to J. E. Kolster, Beverly, N. J.

New Jersey Contracts Awarded

School, Delanco, N. J. Architect, H. Ziegler, 17 West Washington street, Riverside, N. J. Owners, Board of Education, Delanco, N. J. Brick, cut stone, 1 story and basement, 239x103 feet, wing 76x67 feet, slag roof, cement and maple floors, metal lath, rolling

Miscellaneous Construction News

Hospital Building, Charleston, S. C. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Associate architect, J. D. Newcomer, Charleston, S. C. Owners, St. Francis Xavier Infirmary and Sanitarium, Charleston, S. C. Revised plans in progress. Ready for bids in a month.

RECORD OF RESIDENCE CONSTRUCTION IN VARIOUS WARDS OF PHILADELPHIA FOR EVERY MONTH DURING THE YEAR 1924

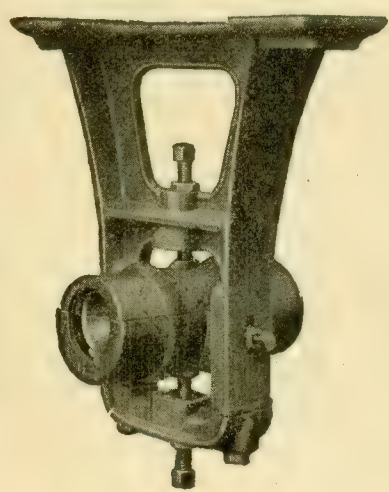
Showing the Number of Houses for Which Permits Were Issued by the Bureau of Building Inspection

TWO-STORY DWELLINGS—Including Two-story Stores and Dwellings.

Wards	1	3	5	15	17	18	21	22	23	24	25	26	27	28	29	31	33	34	35	36	38	39	40	41	42	43	44	45	46	48	T'ls.
Jan..	..	..	..	..	..	..	1	47	12	7	..	..	..	..	..	31	41	37	56	15	..	..	10	12	96	3	..	..	..	..	368
Feb..	..	..	..	1	..	..	5	..	79	..	1	..	..	..	..	..	21	44	13	..	..	..	141	50	161	3	..	1	16	..	536
March	..	..	..	54	..	..	23	233	121	..	6	32	..	..	..	..	2	302	104	..	1	60	68	69	660	13	101	14	36	21	1920
April	..	..	1	..	..	..	23	124	213	..	39	1	1	..	..	..	..	63	73	..	18	..	329	47	206	7	..	14	..	..	1159
May	..	..	..	..	..	1	7	65	79	..	19	..	..	..	1	..	..	111	33	87	44	11	79	54	394	3	14	6	2	34	1044
June	..	..	..	..	..	..	8	46	6	..	..	..	..	..	..	..	18	53	29	..	65	19	44	67	67	..	..	6	32	..	460
July	..	..	..	..	..	..	39	53	35	..	..	..	..	..	..	..	..	64	60	..	6	..	94	22	464	30	..	3	..	..	870
Aug..	..	..	..	..	..	..	10	59	20	..	..	..	..	..	..	..	..	4	56	..	1	78	67	61	99	..	57	2	..	51	565
Sept.	..	1	..	..	..	..	8	119	52	..	3	..	..	..	..	..	..	115	88	..	62	1	85	121	170	..	..	..	..	..	825
Oct..	..	..	..	55	1	..	15	76	49	..	1	40	..	..	..	..	4	14	74	..	1	..	91	65	79	4	..	13	..	..	582
Nov..	..	..	2	..	..	3	23	5	19	7	..	..	..	..	..	..	..	68	20	..	19	..	74	52	140	..	..	2	..	33	467
Dec..	2	..	..	..	..	..	18	12	35	..	2	2	..	4	..	10	..	151	36	..	..	..	49	..	153	..	1	..	..	..	475
Totals	2	1	3	110	1	4	180	839	720	14	71	75	1	4	1	41	86	1026	642	102	217	169	1131	620	2689	63	173	61	86	139	9271

THREE-STORY DWELLINGS—Including Three-story Stores and Dwellings.

Wards	1	2	3	4	5	6	7	14	15	21	22	23	24	26	27	28	30	33	34	35	37	38	40	41	42	44	T'ls.
January	..	..	..	..	..	..	..	..	..	..	3	..	..	..	..	..	..	1	13	1	..	2	..	..	3	..	23
February	..	..	..	..	..	..	..	..	..	..	6	3	..	..	..	..	..	..	..	3	..	3	4	..	..	..	19
March	..	..	1	..	..	..	..	..	1	..	4	9	..	..	..	..	..	..	2	3	..	4	..	..	13	..	37
April	..	..	..	..	..	..	..	..	..	1	28	..	..	1	..	..	..	..	6	1	..	2	..	..	..	..	39
May	..	..	..	1	..	..	..	..	..	10	27	..	..	..	..	..	..	..	9	4	..	..	..	..	3	..	54
June	..	..	..	..	..	..	..	..	..	..	27	2	2	..	..	..	..	..	8	..	..	4	..	..	12	2	57
July	..	..	..	..	1	1	..	..	..	1	22	1	..	..	..	..	..	..	3	4	..	2	..	1	2	..	38
August	..	..	..	..	..	..	..	..	..	1	23	..	..	..	..	..	..	..	3	1	2	1	..	..	3	..	34
September	..	2	..	..	..	1	..	..	4	13	..	..	..	..	..	..	..	..	12	..	..	1	..	..	10	..	43
October	..	2	..	..	..	..	..	..	5	13	..	..	..	..	..	..	..	..	26	..	1	..	..	..	11	..	58
November	..	..	..	..	..	..	..	1	..	1	1	..	..	..	..	..	..	..	2	..	..	..	..	..	1	..	6
December	1	1	..	..	..	..	..	..	..	..	4	..	..	1	3	1	1	..	..	..	..	..	..	..	4	..	16
Totals	1	5	1	1	1	1	1	1	1	23	171	15	2	2	3	1	1	1	84	17	3	19	4	1	62	2	424



Power Transmitting Machinery Oak Tanned Leather Belting Shafting, Hangers and Pulleys

CHARLES

Bona

COMPANY

617-619 Arch Street, Philadelphia, Pa.



PHILADELPHIA AS A BUILDING CENTER

A Classified and Tabulated Statistical Review of Structural Activities During 1924

Number of New Buildings Erected from January 1st to December 31st, 1924

	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Operations.	Estimated Cost.
Amusements, Places of	..	..	..	..	1	..	2	..	..	1	..	..	4	\$340,000
Banks	1	..	3	..	..	..	..	2	..	..	1	..	7	652,300
Charitable Institutions	..	..	..	..	..	..	1	..	..	..	2	..	3	625,000
Churches	4	..	3	5	3	2	1	1	2	2	4	..	27	2,620,850
Club Houses	..	..	..	..	..	..	..	..	..	2	..	..	2	3,008,650
Convents	..	..	..	..	..	..	..	..	1	1	..	..	2	135,000
Depots	..	..	..	..	..	..	1	..	..	..	..	..	1	35,000
Dwellings, one-story	..	..	2	6	3	1	7	1	6	7	3	1	37	100,400
“ two-story	368	536	1920	1159	1044	460	870	565	825	582	467	475	9,271	50,476,950
“ three-story	23	19	37	39	54	57	38	34	43	58	6	16	424	5,752,575
“ frame	20	9	21	44	40	34	20	22	24	20	16	15	285	1,443,300
Engine and Boiler Houses	..	..	..	1	..	..	..	..	1	2	1	1	6	51,500
Garages	148	137	227	314	303	292	264	223	232	308	189	141	2,778	6,951,430
Gymnasiums	..	..	..	..	..	..	..	..	..	1	..	..	1	65,000
Halls	..	..	..	..	..	..	2	1	..	..	..	..	3	166,000
Hospitals	..	1	..	..	1	1	1	1	..	..	..	..	5	911,000
Hotels	..	..	..	..	..	..	..	1	..	..	..	..	1	450,000
Libraries	..	..	..	..	..	..	..	..	..	..	..	..	1	50,000
Manufactories	4	9	6	7	6	5	5	3	2	3	5	4	59	5,873,735
Municipal Buildings	1	..	..	..	..	2	..	..	..	..	..	..	5	268,430
Miscellaneous Buildings	20	6	14	19	19	16	39	15	28	13	21	42	252	415,880
Office Buildings	2	3	..	3	3	4	8	4	5	1	2	3	38	10,141,100
Parish Buildings	1	..	..	..	..	..	..	..	..	1	..	..	2	284,000
Power Houses	1	1	..	2	2	..	..	2	1	..	..	..	9	12,659,000
Railroad Stations	..	..	1	..	..	..	..	..	..	..	..	..	1	30,000
Rooming Houses	..	..	..	..	..	..	..	1	..	..	..	..	4	217,000
Schools	3	1	1	1	2	..	..	1	..	..	1	..	16	4,394,435
Stables	..	..	..	..	..	2	..	1	..	2	2	..	4	21,500
Stores	4	9	10	2	10	4	12	4	7	14	10	15	101	2,796,050
Recreation Buildings	..	..	..	1	1	..	..	..	..	..	..	..	2	80,000
Tenement Houses	5	4	3	10	2	6	3	2	2	4	1	13	55	8,883,000
Warehouses	3	3	4	3	2	2	5	5	5	8	2	2	44	1,071,400
Welfare Buildings	..	..	..	..	..	1	..	1	1	..	..	..	3	304,000
Workshops	8	12	15	10	9	6	7	11	8	9	2	5	102	854,615
Total New Buildings	616	750	2267	1626	1507	895	1286	900	1194	1042	735	737	13,555	\$122,129,100
Additions	159	192	345	348	410	393	391	315	302	343	203	155	3,556	11,323,375
Alterations and Repairs	322	337	502	500	568	507	469	372	338	419	322	239	4,895	6,707,890
Grand Total														
Fire Escapes													22,006	\$140,160,365
Heaters													148	76,775
Miscellaneous Work													111	114,895
Signs													1,589	1,242,290
Total work of all kinds													380	143,135
Total work of all kinds													24,234	\$141,737,460

THE Fourth Street National Bank

131-145 SOUTH FOURTH STREET
PHILADELPHIA

invites accounts from corporations,
firms and individuals

Capital, Surplus and Profits
\$12,000,000

Penn Square Office:
1416-1418 SOUTH PENN SQUARE

Franklin National Bank

Chestnut Street West of Broad

Philadelphia, December 31, 1924.

RESOURCES

Loans and Investments.....	\$39,434,663.67
United States Bonds and Certificates.....	8,067,082.00
Banking House and Office Building.....	1,500,000.00
Liability Under Letters of Credit.....	34,763.90
Interest Earned Uncollected.....	204,607.51
Due from Banks.....	13,860,830.48
Cash and Reserve.....	5,723,521.78
Exchanges for Clearing House.....	3,923,214.30

\$72,748,683.64

LIABILITIES

Capital.....	\$2,000,000.00
Surplus.....	4,500,000.00
Undivided Profits.....	1,332,358.12
Reserved for Taxes, etc.....	136,444.14
Discount and Interest Unearned.....	111,278.88
Letters of Credit.....	34,763.90
Deposits.....	64,633,838.60

\$72,748,683.64

J. R. McALLISTER, President

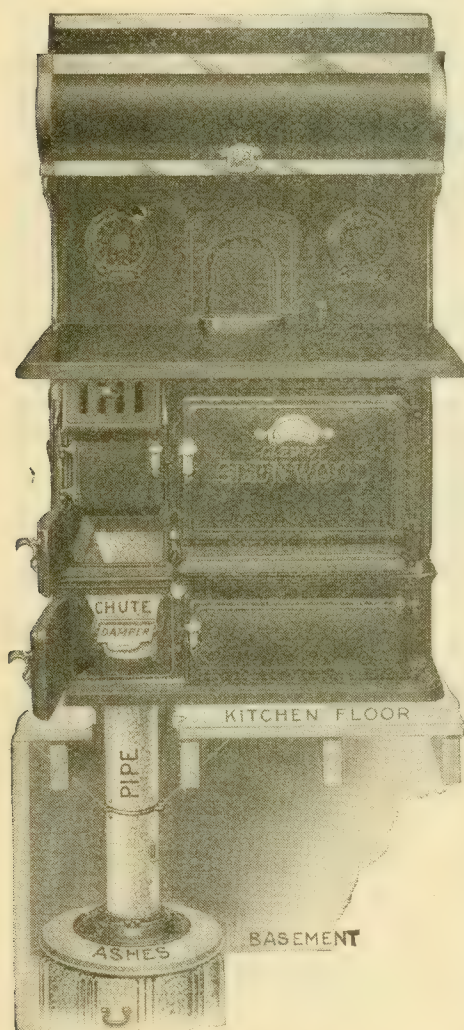
J. A. HARRIS, Jr., Vice-President E. E. SHIELDS, Asst. Cashier
J. WM. HARDT, Vice-President and Cashier W. M. GEHMANN, Jr., Asst. Cashier
M. D. REINHOLD, Asst. Cashier E. M. MANN, Asst. Cashier

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J. Andrews Harris, Jr. Edward F. Beale Agnew T. Dice
John Hampton Barnes Daniel B. Wentz Herbert Lloyd

FOREIGN EXCHANGE IN ALL ITS BRANCHES

No More Ashes To Lug



No clumsy pan to spill dust
and dirt on the kitchen floor

The Glenwood Ash Chute

solves the problem. It is located just
beneath the grate and connected by a
sheet iron pipe straight down through
the kitchen floor to ash barrel in cel-
lar. No part is in sight. Not a par-
ticle of dust can escape. Just slide
the damper once each day and drop
the ashes directly into the ash barrel.

The Dust-Tight Cover

to barrel is another entirely new
Glenwood Idea and is very ingenious.
This is only one of the splendid im-
provements of the new plain

Cabinet Glenwood

the Range without ornamentation or fancy
nickel, "The Mission Style" Glenwood. Every
essential refined and improved upon. This
Range can be had with the latest and most
improved Elevated or End Gas Range attach-
ments. It can be furnished with fire box at
either right or left of oven as ordered. Our
handsome booklet tells all about it.

Make Your Spare Money Earn Money

Open an account with the

Continental-Equitable Title and Trust Company

Twelfth Street Above Chestnut, Philadelphia

4% Interest on Saving Fund Accounts

Capital \$1,000,000

Surplus \$1,000,000

Deposits Over \$13,000,000

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The Cabinet Glenwood

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ALBERT H. HASSINGER
Assistant Treasurer

MORRISON C. COLYER
Counsel

THE GIRARD

Fire and Marine Insurance Company

502 WALNUT STREET

PHILADELPHIA

Assets over - - - \$5,000,000

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William R. Nicholson
Franklin M. Potts
Edward J. Thomason
C. S. W. Packard

Neal Bassett
John Kay
Morrison C. Colyer
J. Harker Chadwick
Percy Jackson
Samuel W. Baldwin

Archibald S. Reid
James G. Glenn
Frederick H. Douglas
Walter C. Heath
Charles G. Colyer

REPORT OF Philadelphia Trust Company

At the Close of Business December 31, 1924

RESOURCES

Cash on Hand and in Banks	\$6,248,156.92
Loans upon Collateral	15,395,864.46
Investment Securities Owned	8,306,317.45
Real Estate	653,013.00
Customers' Liability under Letters of Credit	127,075.32
	\$30,730,427.15

LIABILITIES

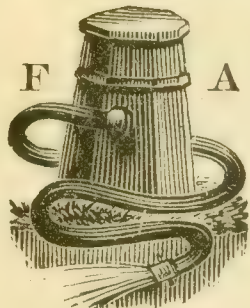
Capital Stock	\$1,000,000.00
Surplus	5,000,000.00
Undivided Profits	1,008,408.97
Letters of Credit Issued	127,075.32
Net Accrued Interest and Other Items Payable	52,590.22
Deposits	23,542,352.64
	\$30,730,427.15

TRUST FUNDS \$205,604,797.94
CORPORATE TRUSTS \$215,548,000.00

HENRY G. BRENGLE
President

J. CALVIN WALLACE
Treasurer

Fire Association OF PHILADELPHIA



Organized Sept. 1, 1817
Incorporated March 27, 1820

PERPETUAL CHARTER

Capital, \$3,000,000.00
Assets, \$16,226,190.00

Officers

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J. W. COCHRAN, Vice-President
JOHN B. MORTON, Vice-President
M. G. GARRIGUES, Sec. and Treas.
R. N. KELLY, Jr., Secretary

Directors

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J. W. COCHRAN
ROBERT WHITAKER
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DIMNER BEEBER
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EDWARD J. MOORE
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HARRISON I. POTTS
CYRUS H. K. CURTIS

Office: COMPANY'S BUILDING
N. W. Cor. 4th and Walnut Sts., Philadelphia, Pa.

WEST END TRUST COMPANY

Broad Street and South
Penn Square, Philadelphia

Capital and Surplus, \$4,000,000

*An Empty Purse fills the face with
wrinkles—therefore Save.*

WE SHALL BE GLAD TO SERVE YOU

Reference Directory for Architects, Builders and Owners

ARTESIAN WELLS.

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS AND ARCHITECTS' SUPPLIES.

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

ASPHALT CONSTRUCTION.

Rulon, Ralph V.239 N. 30th St., Phila.

BLUE PRINTS.

Blue Print Shop.....1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

BLUE PRINT PAPER.

Blue Print Shop.....1520 Sansom St., Phila.
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Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS.

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

BRICK.

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.

BRICK (Face, Common, Paving).

Holloway Corporation....105-107 S. Third St., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS.

Mitchell Bros.2125 Race St., Phila.

BUILDING NEWS.

Daily Building News.....Perry Bldg., Phila.

BUILDERS' SUPPLIES.

The Van Selver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT.

The Van Selver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK.

D'Lauro, John55 E. Mermaid Lane, Phila.

Massiah, Frederick. Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering).

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

COLUMNS (Metal).

Pearce Fireproof Co.1911 N. 2nd St., Phila.

COMPOSITION FLOORING.

Penna. Flooring & Woodoleum Mfg. Co.,
34 S. 17th St., Phila.

CONCRETE WORK.

Massiah, Frederick. Juniper and Cypress Sts., Phila.

CONTRACT BONDS.

Patton, Edward W.400 Lincoln Bldg., Phila.

CONTRACTOR'S EQUIPMENT

Lee T. Ward Co.617 Filbert St., Phila.

CORK FLOORING

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

CURTIS WOODWORK.

Gillingham Co.Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS.

Building News Pub. Co.Perry Bldg., Phila.

DAMP-PROOFING.

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger.....829 N. 3rd St., Phila.

Concrete Waterproof Paint Co.829 N. 3rd St., Phila.

Truscon Laboratories.....1505 Race St., Phila.

DRAWING MATERIALS.

Robbins, Chas. H., Co.1729 Sansom St., Phila.

Warren-Knight Co.136 N. 12th St., Phila.

Weber, F., Co.125 S. 12th St., Phila.

Well, J. H., Co.1315 Cherry St., Phila.

ELECTRICAL SUPPLIES.

Cass, Philip, & Co.40 N. 5th St., Phila.

EXCAVATING.

McCarriek Bros.3138 N. 24th St., Phila.

Morrissey Bros.4345 N. 7th St., Phila.

FENCES.

Cyclone Fence Co.20 S. 15th St., Phila.

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co.Erie Ave. and "D" St., Phila.

Reisbord, Wolf.....4437-43 Ludlow St., Phila.

FIREPROOFING.

Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLOOR HARDENER.

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Concrete Waterproof Paint Co.829 N. 3rd St., Phila.

Truscon Laboratories.....1505 Race St., Phila.

FLOOR PLATES.

Wood, Alan, Iron & Steel Co. Widener Bldg., Phila.

FLUE LINING.

Clausen, Wm. H.27th and Diamond Sts., Phila.

FURNACES AND RANGES.

Cox, Abram, Stove Co.,
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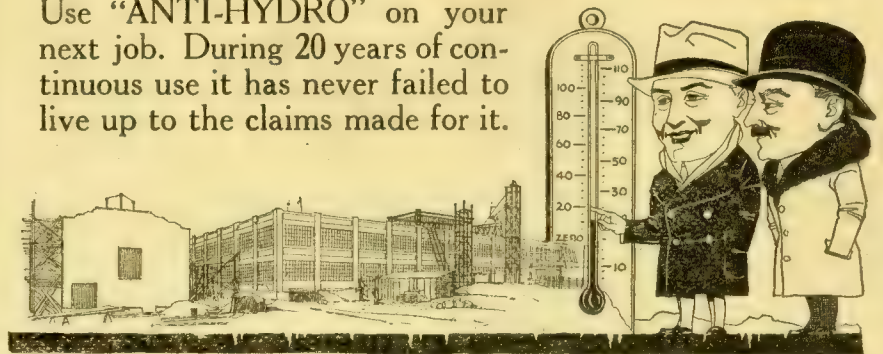
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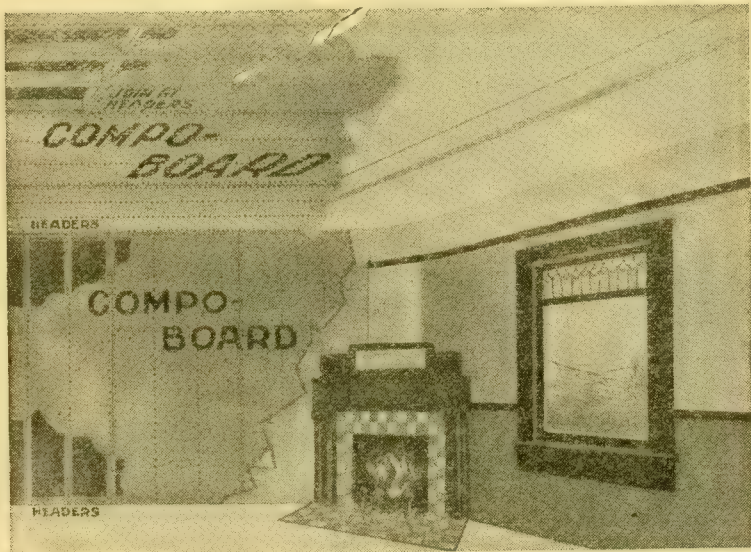
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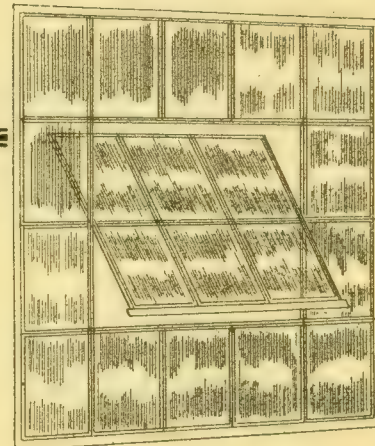
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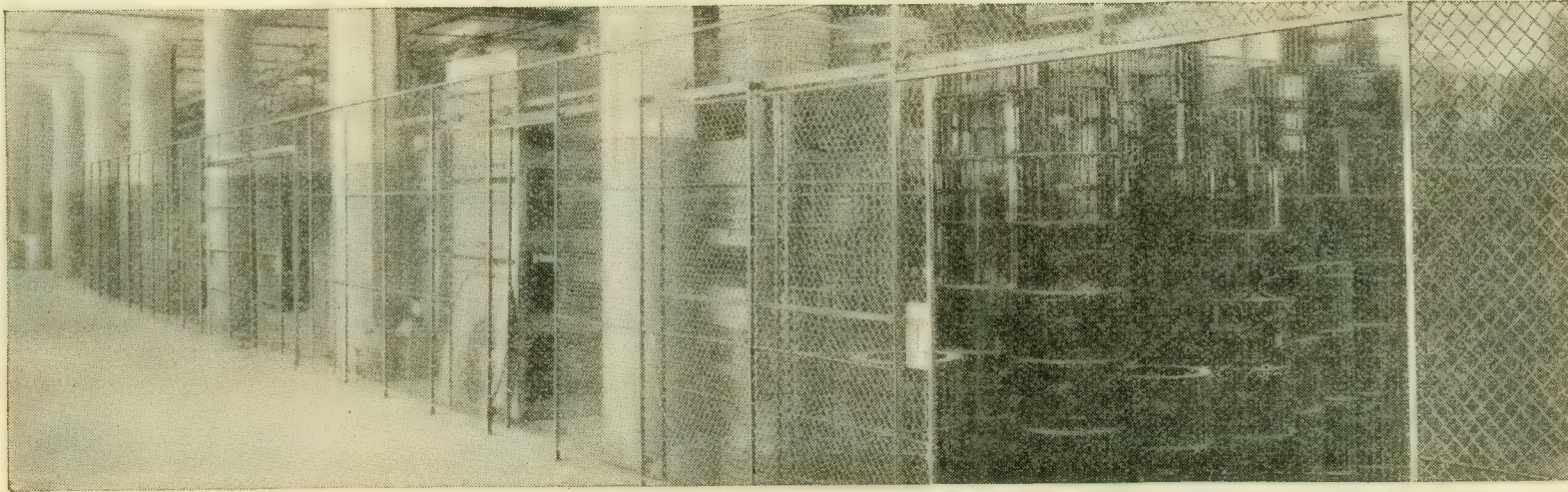
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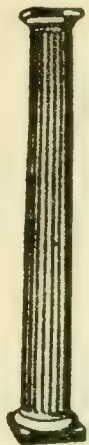
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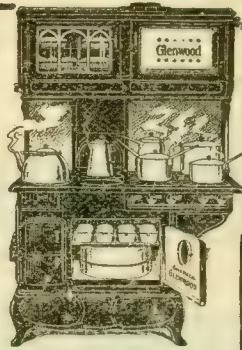
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VOLUME XL
Number 3

Engineering and the Building Trades

PHILADELPHIA
January 21, 1925

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As The Editor Sees It



President Coolidge, in addressing delegates to the Sixth Annual Meeting of the Associated General Contractors of America, in Washington on the opening day of the convention, January 12th, emphasized the importance which a smooth functioning of the construction industry holds as a factor in the prosperity of the country. He outlined the benefits to be gained from equalization of the volume of construction throughout periods of abnormal activity and depression.

The President also indicated the vast aid to the economic structure to the country to be obtained from development and adoption of uniform contract forms. "These forms," he said "promise much as an assurance of fair treatment to all."

He said:

"There are certain particular reasons why I have been glad to avail myself of the opportunity, afforded by your presence here today, to make some remarks to the members of this association. The importance of construction among the country's industries hardly needs any testimony. A recent analysis reached the conclusion that the national income in 1924 was \$53,600,000,000, of which approximately \$6,000,000,000 was expended for construction. That is, over 11 per cent. of the income. Constructions of one kind and another largely represent the accumulated wealth of a community, and it is therefore important that they

be erected at the lowest feasible expense consistent with a high standard of permanence and usefulness.

"During the war, owing to more instant demands upon producing capacity, construction was neglected and an enormous construction deficit resulted. The necessity of restoring the balance was realized when peace returned, and we have had an era of high construction activity in recent years.

"At the Unemployment Conference called by President Harding, and held here in Washington in 1921, the importance of construction as a balance wheel in the industrial scheme was strongly emphasized. The suggestion, of course, was not new. The idea of utilizing construction, particularly of public works, as a stabilizing factor in the business and employment situation has long been a counsel of perfection among students of these problems. If in periods of great business activity the work of construction might be somewhat relaxed; and if in periods of business depression and slack employment these works might be expanded to provide occupation for workers otherwise idle, the result would be a stabilization and equalization which would moderate the alternations of employment and unemployment. This in turn would tend to favorable modification of the economic cycle. It is something to be greatly desired, but its accomplishment is attended by much difficulty. As

a practical proposition, it is not easy to convince a man whose factory is idle or running on part time, that he ought to construct an addition to it because at some future time it will be needed, nor easy to recognize good times until they are passed. Also if Government withdraws from the market others are likely to follow, nevertheless the first and easiest application of such a regulation is in connection with public works; the construction program which involves public buildings, highways, public utilities, and the like. Most forms of Government construction could be handled in conformity to such a policy, once it was definitely established. Certainly in time of depression government can start building. This applies not only to the construction activities of the Federal Government, but to those of states, counties and cities.

"More than this, the economies possible under such a plan are apparent. When everybody wants to do the same thing at the same time, it becomes unduly expensive. Every element of costs, in every direction, tends to expand. These conditions reverse themselves in times of slack employment and subnormal activity, with the result that important economies are possible.

"I am convinced that if the Government units would generally adopt such a policy, and if, having adopted it, they would give the fullest publicity to the

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resultant savings, the showing would have a compelling influence upon business generally. Quasi-public concerns, such as railroads and other public utilities, and the great corporations whose requirements can be quite accurately anticipated and charted, would be impressed that their interest could be served by a like procedure.

"The tendency of present times is undoubtedly toward conservatism in turning out articles intended for current consumption. The merchandising community is chary of laying in great stocks against a future market, because of the many uncertainties that still remain as a heritage from the war period. It is true that these uncertainties are far less acute in our country than in most others; but their existence in other parts of the world inevitably has a certain effect here. On the whole, then, our search for a factor of balance and stabilization brings us back to this business of construction which is represented here today.

"It is found by those governmental agencies which maintain touch with these matters, that notable progress has been made in efforts to lessen the seasonal element in employment in the construction industries. They report that employment is better spread through the year than ever before, and that in the last two or three years the proportion of winter-time employment has been considerably increased. This is entirely to the good, although much remains to be desired in this regard.

"Organizations such as your own represent possibilities of much good usefulness in dealing with all these problems. To the extent that they are devoted to such useful ends, they are entitled to all encouragement. In the construction industries, the movements to develop uniform contract forms promise much as an assurance of fair treatment to all competitors, and securing the best work. It is always recognized, of course, that such organizations may be the means to an undesirable limitation of competition, and to the unjustifiable increase of profits.

If trade associations could be so conducted that the public might be assured of all their potential advantages, and at the same time safeguarded against the disadvantages incident to restricted competition and the exaction of too liberal profits they would render a large service to the community, and would be assured of a corresponding measure of confidence and support. A very wise man, Adam Smith, writing some century and a half ago, made an observation which suggests how uniform are the processes of human nature through the generations. He said: 'People of the same trade seldom meet together even for a merriment and diversion, but the conversation ends in a conspiracy against the public, or in some contrivance to raise prices.'

"We have had a good deal of evidence in our own time that this dictum of the wise old Scotchman is quite as applicable in one generation as in another. It is this trait of human nature which has in more recent years compelled society to adopt regulative measures to protect itself. I can assure you we can all agree that organizations of this kind will command the greater public confidence, and be the more capable of lasting usefulness, if they recognize the danger of falling into such practices. There is ample opportunity for good and useful results through organization, without overstepping the boundaries of public interest, honest competition, and fair dealing. To such a program every trade association may well be recommended. By punctilious observance of such aims and limitations, they will best serve themselves and win the commendation of the community."

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Advance Construction News

CONTEMPLATED CONSTRUCTION: ARCHITECTS AND OWNERS: COST LIMIT: LAST DAYS FOR FILING BIDS:

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Manufacturing Building, 956 North Percy street, Philadelphia. Architect, Gabriel B. Rith, 1629 Chestnut street, Philadelphia. Owner, name withheld. Brick, steel, 2 stories, 48x34 feet, slag roof, cement floors, steam heat, electric light, rolling steel sash. Architect taking bids due as soon as possible.

Residence and Garage, Large and Wakeling streets, Philadelphia. Architect, G. Harold Murphy, Drexel Building, Philadelphia. Owner, Harry Burwicks, care of architect. Stone, stucco, 2½ stories, 40x27 feet, wing 9x11 feet, shingle roof, oak and pine floors, electric light, tile work, ornamental iron work. Architect taking bids due January 27th.

Maternity Building, York and Tabor Road, Philadelphia. Architect, H. W. Castor, Stephen Girard Building, Philadelphia. Owners, Jewish Hospital, care of A. Fleisher, Twenty-fifth and Reed streets, Philadelphia. Stone, steel, concrete, brick, electric light, tile and marble work fire doors, iron stairs, elevators, cement floors. Plans completed, will take bids soon.

Felton Theatre (alts. and add.), Northwest Corner Rising Sun and Loudon avenue, Philadelphia. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owner, Samuel Shapiro, on premises. Brick, 1 story, 50-foot addition, increasing capacity to 1400, slag roof, new stores, flush bulks, general alterations. Owner will build and taking sub-bids.

Store Building, 1923 Chestnut street, Philadelphia. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owner, J. E. Limeburner, on premises. Brick, cut stone, steel, 3 stories, 150x20 feet. Revised plans in progress.

Store (alts.), 1618 Chestnut street, Philadelphia. Architect, William Woodburn Potter, Real Estate Trust Building, Philadelphia. Owners, William H. Embick & Son, on premises. New front (probably cast stone), new bulks, plate glass. Plans in progress.

Warehouse, Ninth and Berks streets, Philadelphia. Owners, United Gas Improvement Contracting Co., Broad and Arch streets, Philadelphia. Work contemplated. Details undecided.

Twin Residences (24), Sixty-sixth and Haverford avenue, Philadelphia. Architect, private plans. Owner, Nicholas Nardy, 1713 Sansom streets, Philadelphia. Brick, 2 stories, 17x39 feet, slag roof, oak and pine floors, hot water heat, electric light, tile work. Work contemplated.

Home, Roosevelt Boulevard, Philadelphia. Architect, not yet selected. Owners, Baptist Home, Seventeenth and Norris streets, Philadelphia, Mr. Paul Hess, Philadelphia Trust Co., 413 Chestnut street, Philadelphia. Work contemplated.

Store and Apartments, Twenty-first and Ridge avenue, Philadelphia. Architect, William L. Charr, 414-16 Victory Building, Philadelphia. Owner, M. Lang, care of architect. Steel, stone, brick, 3 stories, 18x60 feet, slag roof, maple floors, metal ceilings, ornamental iron work, metal bulks, bond, store fixtures, rolling steel skylights, tile and marble work, metal lath, hot water heat, electric light. Plans in progress.

Stadium, site not selected. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Department of Public Works, Bureau of City Property, Philadelphia. Architect selected.

Community Field, Wakeling, Rutland, Dyre and Large streets, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Works, Bureau of City Property, Philadelphia. Will consist of grandstand, comfort stations, locker rooms, running tracks, etc. Plans completed, ready for bids.

Twin Residences (17), Sixty-sixth and Haverford avenue, Philadelphia. Architect, private plans. Owner, Nicholas Nardy, 1713 Sansom street, Philadelphia. Brick, 2 stories, 17x39 feet, slag roof, oak and pine floors, hot water heat, electric light. Owner taking sub-bids.

Club House (alts.), 1319 Locust street, Philadelphia, \$25,000. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owners, Poor Richards Club, James Wood, 239 South Camac street, Philadelphia. Brick, 3 stories, miscellaneous interior alterations. Plans in progress. Architect will be ready for bids in one week.

Fire Headquarters, Juniper and Race streets, Philadelphia. City architect, John Molitor, Bankers' Trust Building, Philadelphia. Owners, Department of Public Works, Bureau of City Property, Philadelphia. Brick, reinforced concrete, 2 stories, slag roof, cement floors, steam heat, electric light. Ready for bids in two weeks.

Alterations and Additions, Northeast Corner Seventeenth and South streets, Philadelphia. Architect, E. B. Medoff, 808 Fox Building, Philadelphia. Owner, Louis Goldberg, on premises. Brick, steel, electric light, tile and marble work, composition floors, plumbing, hardware, sheet metal work, maple floors, bulk windows, stucco work, cement work, hot water heat, electric work, slag roof. Architect taking sub-bids due as soon as possible.

Show Room (alts.), 2835-37 Germantown avenue, Philadelphia. Architect, Joseph Margolis, 1505 Race street, Philadelphia. Owner, George Eichenhofer, on premises. Fred E. Schmidt Sons, Inc., 2721 North Fifth street, Philadelphia, taking sub-bids on the follow-

ing items: Plate glass, copper sash, metal ceilings, elevators.

Garage, 1139 Dauphin street, Philadelphia. Architect, private plans. Owners, Vance Realty Co., 1113 Chestnut street, Philadelphia. Brick, steel, 2 stories, 124x48 feet, slag roof, cement floors, steam heat, electric light, ornamental iron work. Owners taking bids due January 23rd.

General Offices (alts.), Marshall and Lehigh avenues, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Hardwick & Magee, on premises. Bond, brick work, cut stone, pre-cast cement, concrete work, steel and iron work, hollow metal doors, carpentry and mill work, cabinet work, metal lath, plastering, dampproofing, tile and marble work, hardware, Stedman floors, painting and glazing. (Plumbing, heating, electric, sprinkler system reserved.) Architects taking bids due January 22nd.

Garage, Fifty-eighth and Warrington avenue, Philadelphia. Architect, private plans. Owners, Beaumont Garage Co., on premises. Brick, steel, 1 story, 40x80 feet, slag roof, cement floors, steam heat, electric light. Owners taking bids due as soon as possible.

Residence and Garage, Schoolhouse near Gypsy Lane, Germantown. Architect, Carl A. Ziegler, 1309 Locust street, Philadelphia. Owner, Thomas Evans, care of architect. Stone, 2 stories and 1 story, 91x45 feet, 21x28 feet, shingle roof, oak and pine floors, plumbing, tile work, electric work, hot water heat, wrought iron pipe. Architect taking bids due January 26th.

Chapel (alts. and add.), Twenty-second and Green streets, Philadelphia. Architect, Paul Monaghan, 1713 Sansom street, Philadelphia. Owners, Chapel of Divine Love, on premises. Brick, cut stone, steel, 3 stories, 30x26 feet, bond, brick work, structural steel, cut stone work, iron work, carpentry and mill work, N. C. pine, cork floors, rubber tile floors, metal lath, plastering, painting, hardware, marble work, slate and slag roof (allowance of \$600 for heating and electric work). Architect taking bids due January 23rd.

Store and Apartments (alts.), 830 North Tenth street, Philadelphia. Architect, Joseph Margolis, 1505 Race street, Philadelphia. Owner, Harry Nerman, care of architect. Brick, 3 stories, 17x60 feet, slag roof, hot water heat, electric light, plumbing, cement floors, plate glass, carpentry and mill work. Architect taking bids due as soon as possible.

Residences (2), Sixth and Kingsley streets, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, Charles Milgram, on premises. Cinder block and stucco, 2½ stories, 20x50 feet, Spanish tile

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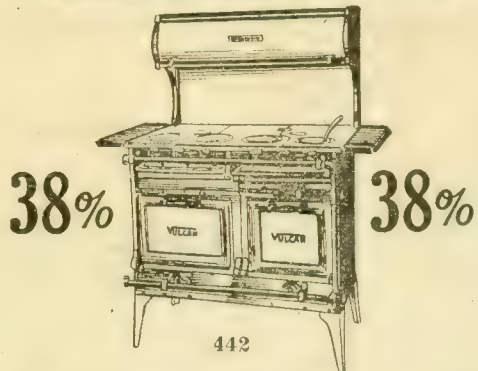
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Vandam Building (alts.), Tenth and Market streets, Philadelphia. Architect, H. B. Weldon, 1811 Callowhill street, Philadelphia. Owners, Monroe Clothes Shop, on premises. Marble work, bronze grills, carpentry and mill work, plastering, hardware, painting, electric work. Architect taking bids due as soon as possible.

Show Room (interior alts.), 810 North Broad street, Philadelphia. Architect, private plans. Owner, J. J. Pocock, 2132 Market street, Philadelphia. Interior alterations, carpentry and mill work, metal ceilings, flush bulks, plate glass. Owner taking bids.

Mill (add.), Cheltenham avenue and Anderson street, Philadelphia. Owners, Bolger Brothers, 1139 East Cheltenham avenue, Philadelphia. Brick, steel, 2 stories, 45x106 feet, 40x70 feet (plumbing, heating, electric reserved), slag roof, pine floors, rolling steel sash, ornamental iron work. Owners taking bids due January 26th.

Store Building (alts. and add.), Sixtieth and Chester avenue, Philadelphia. Architect, private plans. Owner, John Machucke, on premises. Brick, 2 stories, 40x20 feet, slag roof, oak floors, hot water heat, electric light. Owner taking bids due as soon as possible.

Factory, Sixty-eighth and Woodland avenue, Philadelphia. Architect, E. A. Wightman, Bankers' Trust Building, Philadelphia. Owners, Simplex Valve Meter Co., J. W. Ledoux, 1112 North Broad street, Philadelphia. Architect taking bids due as soon as possible on steam heating and oil burning system.

Purchasing Agent, E. J. Lafferty, 312 City Hall, Philadelphia, taking bids due January 26th on limestone dust (filler), plumbers' supplies, green seeds, cross arms, pins and copper wire.

Supplies and Equipment, School District, Philadelphia. Owner, W. Dicks, secretary and business manager, Nineteenth above Chestnut street, Philadelphia. Owner taking bids due February 5th at noon. Lumber, tables, rugs, lockers, etc. (Board of Education, Nineteenth above Chestnut street, Philadelphia.)

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Water, 216 City Hall. Owners taking bids due January 27th at noon. Contract No. 734, furnish and deliver filter sand and gravel. Contract No. 735, furnish and lay 36-inch steel and cast iron water pipe. Certified check 5 per cent. of amount of bid must accompany each bid. Further information, inquire Room 796.

Warehouse, Southeast Corner Clarion and Kater streets, Philadelphia, \$12,000. Archi-

tect, B. J. Krakow, 1835 South Front street, Philadelphia. Owner, Harry Gornish, 613 South Clarion street, Philadelphia. Brick, 3 stories, 41 feet 6 inches x 30 feet 9 inches, slag roof, electric light, pine floors. Owner will build.

Garage, North side Clarkson avenue, East of Front street, Philadelphia, \$15,000. Architect, private plans. Owner, T. V. Monaghan, Water street and Clarkson avenue, Philadelphia. Stone, 1 story, 200x70 feet, cement floors, electric lighting, steam heating. Owner will build.

Warehouse, South side Folsom street, West of Forty-eighth street, Philadelphia, \$6,000. Architect, J. E. Fieldstein, Otis Building, Philadelphia. Owner, Samuel Smilk, 4845 Aspen street, Philadelphia. Brick, 2 stories, 34x56 feet, slag roof, pine floors, electric lighting. Owner will build.

Residences (2), North side Shelmire avenue, East of Montour street, \$6,200 each. Architect, private plans. Owners, Betzel Brothers, 7312 Bingham street, Philadelphia. Brick and frame 2 stories, 16x42 feet, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residence, East side Montour street, North of Shelmire street, \$5,000. Architect, private plans. Owner, John H. Kull, 2465 North Gratz street, Philadelphia. Frame and stucco, 2 stories, 20x30 feet, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (2), West side Jackson street, South of Kennedy street, \$5,000 each. Architect, private plans. Owner, D. Corrucci, 5235 Jackson street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Retaining Wall, Northwest Corner York Road and Pike street, Philadelphia; also **Boiler House (add.)**, \$3,800 total. Architect, private plans. Owners, Charles F. Felin & Co., York Road and Butler street, Philadelphia. Stone retaining wall, boiler house add., 1 story, brick, 12x55 feet. Owners will build.

Residence (alts.), 640 Pine street, Philadelphia, \$2,000. Architect, private plans. Owner, H. Kattelman, Northwest Corner Sixth and Pine streets, Philadelphia. Owner will build.

Apartment (alts.), 2408 Spruce street, Philadelphia, \$2,000. Architect, private plans. Owner, F. D. Fleming, 1516 Chestnut street, Philadelphia. General alterations. Owner will build.

Store and Residence (alts.), 5141 Baltimore avenue, \$2,000. Architect, private plans. Owner, John M. Enberg, 5207 Baltimore avenue, Philadelphia. General alterations. Owner will build.

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Alterations and Additions, 1220 North Fifty-second street, Philadelphia. Architect, M. M. Boonin, Eighth and Porter streets, Philadelphia. Owner, H. Federman, 1662 North Fifty-ninth street, Philadelphia. Brick, hot

water heat, electric light, slag roof, pine and concrete floors, carpentry and mill work, underpinning and foundation. Owner taking sub-bids due as soon as possible. Not location and Owner's name.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Hospital (add.), South side Woodland avenue, West of Fiftieth street, \$6,635. Architect, private plans. Owners, Mercy Hospital, on premises. Elevator shaft. Contract awarded to J. F. Trent, Nineteenth and Addison streets, Philadelphia.

Building (alts.), 1840 Market street, Philadelphia, \$3,000. Architect, private plans. Owner, Mr. Kershan, 1840 Market street, Philadelphia. General alterations. Contract awarded to A. Raymond Raff Cont. Co., 1635 Thompson street.

Open Shed, Southwest Corner Venango and Cedar streets, Philadelphia, \$2,000. Architect, private plans. Owners, Penn Building Block Co., 807 Chestnut street, Philadelphia. Frame, 1 story, 54x64 feet. Contract awarded to William Easterbrook, 146 North Fourth street, Philadelphia.

Residence (alts.), 2011 Walnut street, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, A. Theo. Abbots, Esq., 2301 Allegheny avenue, Philadelphia. Brick work, cast stone, steel and iron work, hardware, slag roof, painting and glazing, plumbing, elevators, plastering, carpentry and mill work (plumbing, heating reserved). Contract awarded Fred A. Havens Co., 845 North Nineteenth street, Philadelphia.

Sales and Service Building, Broad and Locoming avenue, Philadelphia. Architect, Philip S. Tyre, 1509 Arch street, Philadelphia. Owner, Reynold H. Greenberg, Morris Building, Philadelphia. Lessees, Preis-Nash Motor Co., 4228 North Broad street, Philadelphia. Brick, steel, 1 story and basement, 146x74 feet, slag roof, cement floors, electric light, metal lath, hollow metal sash, galvanized iron skylight, fire doors, bond, ornamental iron work, shoring, waterproofing, ornamental terra cotta. Contract awarded J. Schnable, Inc., Denckla Building, Philadelphia.

Service Building, 3431 North Fifteenth street, Philadelphia. Architect, William H. Lee, 1505 Race street, Philadelphia. Owner, Chester W. Rudisill, Marietta, Pa. Brick, steel, cast stone, 2 stories and basement, 54x178 feet, slag roof, cement floors, steam

heat, electric light, plumbing, rolling steel sash, rolled steel doors, concrete ramp. Contract awarded Nelson Pedley Const. Co., Corn Exchange Building, Philadelphia, who are taking sub-bids.

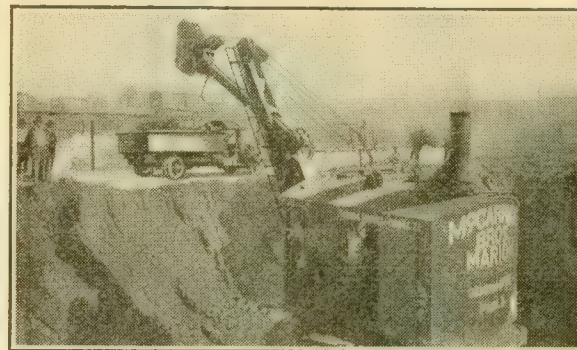
Walton School (new wing), Twenty-seventh and Huntingdon streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Contract awarded William Langhorne, 10 South Eighteenth street, Philadelphia, \$246,972. Electric, Walker-Keppler, 531 Chestnut street, Philadelphia, \$5,538. Heating, S. Faith & Co., 2427 Pennsylvania avenue, Philadelphia, \$35,880. Ventilating, Mellon Co., 4419 Ludlow street, Philadelphia, \$1,075. Plumbing, S. Faith Co., 2427 Pennsylvania avenue, Philadelphia, \$12,265.

Garage, South side Allegheny avenue, between C and Rosehill streets, \$60,000. Architect, Herman Kline, Bulletin Building, Philadelphia. Owners, Paul Kolber and S. Wilig, Franklin Trust Building, Philadelphia. Brick, steel, 1 story, 156x200 feet, slag roof, cement floors, steam heat, electric light. Contract awarded to Paul Kolber, Franklin Trust Building, Philadelphia.

Show Room (alts. and add.), 2835-37 Germantown avenue, \$6,350. Architect, Joseph Margolis, Schaff Building, Philadelphia. Owner, George Eichenhofer, on premises. Brick, 1 story add., 30x9 feet, plastering, metal ceilings, mill work, iron work, elevators, slag roof, marble work, steel sash, plumbing, ventilating. Contract awarded to Fred E. Schmidt & Son, Inc., 2521 North Fifth street.

Garage, Lombard street, East of Twenty-first street, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owners, Brown Brothers, Fox Building, Philadelphia. Brick, steel, 3 stories, 68x162 feet, slag roof, cement floors, plank floors, steam heat, electric light, rolling steel sash, concrete ramps. Contract Marcus Packman, care of owners.

Manufacturing Building (alts. and add.), 1609 North Fifth street, Philadelphia, \$25,000. Architect, private plans. Owners, Chabrow Brothers, 1609 North Fifth street,



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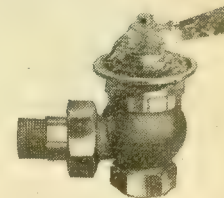
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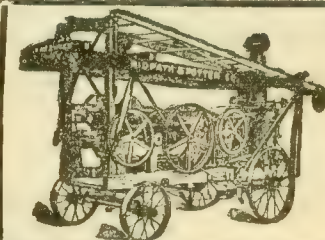
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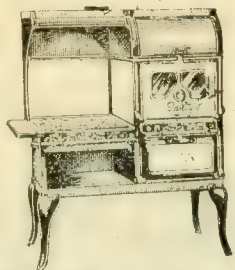
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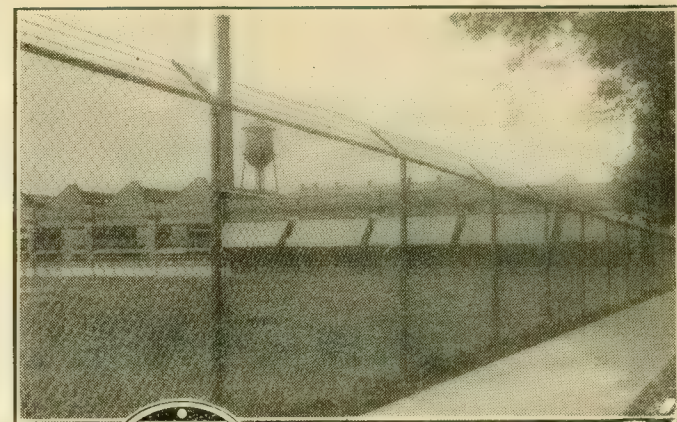
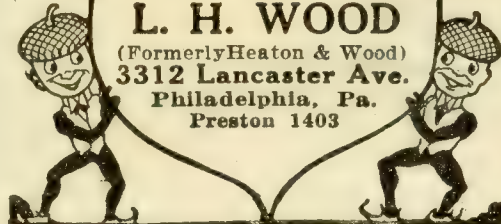
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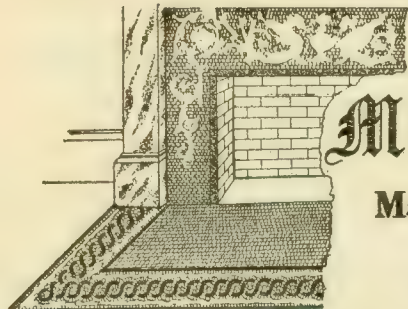


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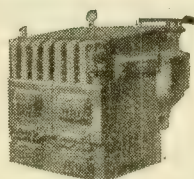
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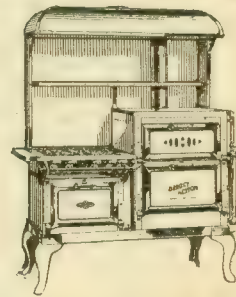
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Philadelphia. Brick, 4 stories and 1 story, 55x55 feet (plumbing, heating, electric reserved), slag roof, pine floors, elevators. Contract awarded J. S. Rogers, Drexel Building, Philadelphia.

Residence, Allen Lane, Chestnut Hill, Pa. Architect, Robert Rodes McGoodwin, 1600 Walnut street, Philadelphia. Owner, Joseph P. Button, care of architect. Stone, 2½ stories, irregular, vapor heat, electric light, tile work, slate roof, oak and pine floors. Contract awarded George S. Roth & Son, 230 East Graver's Lane, Philadelphia.

Store Building (alts.), 1213-15 Chestnut street, Philadelphia. Architect, private plans. Owners, Mawson & DeMany, on premises. Carpentry and mill work, plastering, new elevator shaft, iron work, brick work, reinforced concrete work, rolled steel skylights, kalamein doors. Contract awarded David Lutz Co., Twenty-third and Chestnut streets, Philadelphia.

Dwelling, 7110 James street, Philadelphia, \$3,500. Architect, H. Kline, Bulletin Building, Philadelphia. Owner, B. Detizio, on premises. Brick, 2 stories, 14x38 feet (heating, plumbing reserved), slag roof, pine floors, electric light. Contract awarded Joseph Rotornado, 4740 Milner street, Philadelphia.

Building (alts. and add.), 723 South Sixteenth street, Philadelphia. Architect, R. R. Neely, 2301 Spruce street, Philadelphia. Owners, Waiters and Cooks Assn., on premises. Brick, 3 stories, 12x30 feet, slag roof, composition roof, steam heat, electric light. Contract awarded H. C. Patterson, 2114 Lombard street, Philadelphia.

Warehouse, 1016-18 West Allegheny avenue, Philadelphia, \$20,000. Architect, private plans. Owner, H. P. Werner, 3245 Germantown avenue, Philadelphia. Brick, 2 stories, 40x133 feet, slag roof, pine floors, electric work. Contract awarded to Werner Const. Co., 3245 Germantown avenue.

Wagon Works (alts.), 1733 North Front street, Philadelphia, \$10,000. Architect, private plans. Owners, Allegheny Wagon Works, on premises. General alterations. Contract awarded to A. E. Barnes Co., 2044 East Clementine street.

Residence (alts.), 441 North Sixty-third street, Philadelphia, \$5,000. Architect, private plans. Owner, J. D. Ramsden, 2046 North Sixty-third street, Philadelphia. General alterations. Contract awarded to J. H. Hutt, 5919 Spruce street, Philadelphia.

Residences and Stores (3), 5816-18-20 Torresdale avenue, \$5,000 each. Architect, pri-

vate plans. Owner, J. Bloomberg, 917 Ritner street, Philadelphia. Brick, 2 stories, 16x30 feet, 13x22 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to I. Farbstein, 917 Ritner street, Philadelphia.

Rooming House (alts.), 131 South Tenth street, Philadelphia, \$4,000. Architect, private plans. Owner, B. Spewak, on premises. General alterations. Contract awarded to David Warshawsky, 812 North Marshall street, Philadelphia.

Stable, 414 Olive street, Philadelphia, \$3,100. Architect, private plans. Owner, J. Stein, 419 Fairmount avenue, Philadelphia. Brick, 2 stories, 20x47 feet, electric work, pine floors. Contract awarded to A. S. Kirpich, 3211 West Oxford street, Philadelphia.

Garage and Shop, South side Cottman street, East of Roosevelt Boulevard. Architect, private plans. Owner, Hugh McHenry, 6943 Torresdale avenue, Philadelphia. Iron, 1 story, 45x60 feet, cement floors, electric lighting. Contract awarded to M. Morster & Co., Second and Bristol streets, Philadelphia.

Store and Residence (alts. and add.), 2113-15 Germantown avenue, \$3,000. Architect, private plans. Owner, Ella B. Anderson, Fortieth and Walnut streets, Philadelphia. Brick, 2 stories add., 15x20 feet, general alterations. Contract awarded to Gus Formosa, 711 Butler street, Philadelphia.

Residence (repairs), 432 West Walnut

Lane, Philadelphia, \$3,500. Architect, private plans. Owner, A. H. Lippincott, on premises. General fire repairs. Contract awarded to John E. Walt, Willow Grove, Pa.

Warehouse (add.), Northwest Corner Swanson and Kenilworth streets, \$2,500. Architect, private plans. Owner, Charles Goldman, 725 Walnut street, Philadelphia. Brick, elevator shaft. Contract awarded to George C. Elliott, 1025 South Fiftieth street, Philadelphia.

Garage, 2069-71 East Clearfield street, Philadelphia, \$2,300. Architect, private plans. Owner, John Ayre, on premises. Brick, 1 story, 17x34 feet, 36x18 feet, slag roof, cement floors. Contract awarded to H. S. Barnes, 2080 East Willard street, Philadelphia.

Residence and Store (add.), 1534 Columbia avenue, Philadelphia, \$2,000. Architect, private plans. Owner, M. Rappaport, on premises. Brick, second story add., 14x15 feet, slag roof, pine floors. Contract awarded to F. I. Wintz, 1618 North Twenty-seventh street, Philadelphia.

Business Building (add.), 1914 South street, Philadelphia, \$2,000. Architect, private plans. Owner, Samuel Shapiro, 2008 Bainbridge street, Philadelphia. Brick, 2 stories add., 15 feet 4 inches x 36 feet 8 inches, slag roof, pine floors, electric lighting. Contract awarded to T. B. Monaghan, 2009 Sansom street, Philadelphia.

PENNSYLVANIA

Construction News

Residence, Penfield, Pa. Architect, H. Gordon McMurtrie, 1012 Walnut street, Philadelphia. Owner, name withheld. Stone, 2½ stories, slate roof. Plans completed. Architect ready for bids in a few days.

School, Washboul and Nineteenth streets, Easton, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owners, St. Jane Frances De Chantel Roman Catholic Church, Rev. A. A. Bennett, Easton, Pa. Stone, cut stone, granite, brick, slate roof, maple floors. Revised plans in progress.

Apartment Building, Wilkes-Barre, Pa. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, Harry Cohen, 29 Carey avenue, Wilkes-Barre, Pa. Residence alterations into (6) apartments. Frame and stucco, 3 stories. Sketches in progress. Will probably take bids next summer.

Bank (alts.), Pittston avenue, Scranton, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Dollar State Bank, Peter Haas, president, Scranton, Pa. Stone front, 2 stories, composition or rubber tile floors, vapor heat, electric light, tile work, bronze work, vaults, ornamental iron work, plate glass. Architect taking bids due as soon as possible.

Residence, Cynwyd, Pa. Architect, John Charles Norton, Ardmore, Pa. Owners, Charles Loud & Son, Cynwyd, Pa. Stone and frame, 2½ stories, 26x38 feet, shingle roof, hardwood floors, copper spoutings, hot water heat, electric light, tile work. Plans in progress.

Store, Ardmore, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, Nathan Harrison, Ardmore, Pa. Brick, 1 story, 11x45 feet, slag roof, maple floors, hot water heat, electric light, tile work, metal ceilings. Plans in progress.

Residence, Bryn Mawr, Pa. Architects, Dreher & Churchman, Otis Building, Philadelphia. Owner, F. P. Kennedy, Weightman Building, Philadelphia. (1) Stone, (2) concrete block, stucco, 2 stories, vapor heat, electric light, shingle roof, hardwood floors, tile work. Plans about completed. Owner will be ready for bids in two weeks.

Residences (4), Bryn Mawr, Pa. Architects, Weber & Wurster, 1520 Locust street, Philadelphia. Owner, F. P. Kennedy, Weightman Building, Philadelphia. Stone, hollow tile, stucco, 2½ stories. Plans in progress.

Parochial School, Philadelphia Suburb, Pa. Architect, Peter F. Getz, Victory Building, Philadelphia. Owner, name withheld. Stone, 2 stories and basement, 40x85 feet, asbestos shingle roof, pine floors, electric light, heating not decided. Plans in progress, will be ready for bids in about two weeks.

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Rectory, Norwood, Pa. Architect, F. V. Nichols, 15 South Twenty-first street, Philadelphia. Owners, St. Gabriel's Roman Catholic Church, Rev. Joseph Smith, Norwood, Pa. Stone, 3 stories and basement, 34x45 feet, slag roof, hardwood floors (vapor heat, electric light, plumbing resered), copper spoutings, tile work. Plans in progress. Will be ready for bids in two weeks.

Residences (4 pair), Ardmore Park, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, Ambrosi Podozzo, care of architect. Penn Building Block, stucco, 3 stories, 16x38 feet, shingle roof, hardwood and pine floors, hot water heat, electric light, tile work. Plans completed. Architect ready for sub-bids.

High School, Shillington, Pa., \$100,000. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owners, School Board of Shillington, Fred A. Gehret, president, Shillington, Pa. Probably brick and stone, 2 stories and basement (heating, plumbing and electric work resered). Plans in progress.

School (6 or 8 buildings), Sheppton, Pa. Architects, Peter B. Sheridan and William J. Crichton, Markle Bank Building, Hazleton, Pa. Owners, East Union Township School District, Bert Von Blargen, secretary, Oneida, Pa. Brick, 2 stories and basement. Plans in progress.

Parochial School, Weatherly, Pa., \$30,000. Architects, Peter B. Sheridan and William J. Crichton, Markle Bank Building, Hazleton, Pa. Owners, St. Nicholas' Roman Catholic Congregation, Rev. William Drobek, Main street, Weatherly, Pa. Brick, 1 story (4 rooms). Plans in progress.

Y. M. C. A. Building, Freeland, Pa. Architect, J. B. Chamberlain, Hazleton Bank Building, Hazleton, Pa. Owners, Freeland Y. M. C. A., William Isaacs, secretary, 546 Front street, Freeland, Pa. Brick, 2 stories. Plans in progress.

Road Work, Pennsylvania. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa. Owners taking bids due January 23rd at 10 A. M.

Allegheny County, R-70, Tarentum Borough, 3,938 feet. One course reinforced concrete and hillside vitrified brick. Certified check, \$1,500.

Bedford County, R-48, Cumberland Valley and Bedford Townships, 56,845 feet. One course reinforced concrete. Certified check, \$4,000.

Berks County, R-149, Spring Township, Wyomissing Borough, 3,188 feet. One course reinforced concrete. Certified check, \$1,500.

Butler County, R-251, Parker Township, Bruin Borough, 16,917 feet. One course reinforced concrete. Certified check, \$2,500.

Clarion County, R-92, Elk and Washington Townships, Shipperville Borough, 32,164 feet. One course reinforced concrete. Certified check, \$4,000.

Franklin County, R-340, Hamilton, Greene and Letterkenny Townships, 36,975 feet. One course reinforced concrete. Certified check, \$4,000.

Greene County, R-110, Whitely and Perry Townships, Mt. Morris Borough, 37,253 feet. One course reinforced concrete. Certified check, \$4,000.

Luzerne County, R-169, Bear Creek and Plains Township, 31,139 feet. One course reinforced concrete. Certified check, \$4,000.

Potter County, R-236, A-3063, Sharon Township, 12,831 feet. One course reinforced concrete. Certified check, \$2,000.

Somerset County, R-50, A-3049, Somerset Township, 18,210 feet. One course reinforced concrete. Certified check, \$2,500.

Susquehanna County, R-10, A-1067 and 976, Great Bend and Oakland Townships and Oakland Borough, 19,297 feet. One course reinforced concrete. Certified check, \$2,500.

Susquehanna County, R-174, Clifford Town-

ship, 11,162 feet. One course reinforced concrete. Certified check, \$2,000.

Susquehanna County, R-296, A-1636, Lanesboro and Susquehanna Boroughs, 9,982 feet. One course reinforced concrete and hillside vitrified brick. Certified check, \$1,500.

Warren County, R-88, Broken Straw and Conewago Townships, 2,857 feet. Grading and drainage. Certified check, \$2,500.

Greene and Washington Counties, R-325, Amwell and Washington Townships, 28,192 feet. One course reinforced concrete. Certified check, \$4,000.

York County, A-550, Fawn Grove Borough, 6,143 feet. One course reinforced concrete. Certified check, \$1,500.

Owners taking bids due January 24th at 10 A. M.:

Beaver County, R-204, Bridgewater Borough, 6,449 feet. One course reinforced concrete. Certified check, \$2,000.

Bradford County, R-14, Pike and Wyalusing Townships, 29,290 feet. One course reinforced concrete. Certified check, \$4,000.

Bradford County, R-17, Monroe and Albany Townships, Albany Borough, 32,153 feet. One course reinforced concrete. Certified check, \$4,000.

Bradford and Wyoming Counties, R-241, Meshoppen, Braintrim and Tuscerora Townships, Meshoppen and Laceyville Boroughs, 53,926 feet. One course reinforced concrete. Certified check, \$4,000.

Clearfield County, R-62, Bell and Burnside Townships, Burnside Borough, 62,976 feet. One course reinforced concrete. Certified check, \$4,000.

Clearfield County, R-234, A-3096, Deccaria Township, 12,986 feet. One course reinforced concrete. Certified check, \$2,000.

Clearfield County, R-219 and 313, Morris and Cooper Townships, 16,831 feet. One course reinforced concrete. Certified check, \$2,500.

Crawford County, R-84, Hayfield and Woodcock Townships, 900 feet. Grading and drainage. Certified check, \$1,500.

Elk County, R-59, Horton Township, 31,743 feet. One course reinforced concrete. Certified check, \$4,000.

Indiana County, A-985, Canroe Township,

7,904 feet. One course reinforced concrete. Certified check, \$1,500.

Mercer County, A-3202, R-206, Jamestown Borough, 1,342 feet. One course reinforced concrete. Certified check, \$1,000.

Mercer County, R-73, Grove City Borough, 3,048 feet. Bituminous surface course on concrete foundations. Certified check, \$1,500.

Perry County, R-31, Centre and Oliver Townships, 26,328 feet. One course reinforced concrete. Certified check, \$4,000.

Somerset County, A-3050, R-52, Conemaugh Township, 16,118 feet. One course reinforced concrete. Certified check, \$2,500.

Somerset County, A-3150, R-52, Somerset Township, 5,230 feet. One course reinforced concrete. Certified check, \$1,500.

Washington County, R-342, Hopewell and Independence Townships, West Middletown Borough, 9,658 feet. One course reinforced concrete. Certified check, \$1,500.

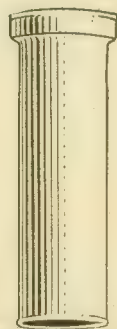
Residence and Garage, Ithan, Pa. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, P. H. Stull, care of architect. Stone, frame, 2½ stories. Revised plans in progress.

Bank, York, Pa. Architect, W. L. Stoddard, 50 East Forty-first street, New York. Owners, Western National Bank, 283 West Market street, York, Pa. Sketches in progress.

Odd Fellows' Temple, Third and Forster streets, Harrisburg, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Odd Fellows' Lodge, R. D. Beman, Chairman of Building Committee, 1217 North Third street, Harrisburg, Pa. Face brick, stone trim, fireproof construction, 5 stories, size of plot 37x130 feet, consists of shops, social rooms, lodges and large ball room. Plans in progress.

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Store (alts.), 515 Market street, Chester, Pa., \$25,000. Architect, A. Koshman, Edgemont street, Chester, Pa. Owner, John Sorcuss, 516 Market street, Chester Pa. New bulks, plate glass, interior renovation. Plans about completed. Architect will be ready for bids in a few days.

Residence, Lancaster, Pa. Architect, J. B. Hamme, City Bank Building, York, Pa. Owner, J. M. Hetrick, Woolworth Building, Lancaster, Pa. Stone, 2½ stories, 65x31 feet, 24x18 feet, slate roof, hardwood and tile floors, vapor vacuum heat, electric light, tile and marble work. Revised plans in progress.

Apartment House and (4) Stores, Upper Darby, Pa. Architect, Willis A. Hall, Post Office Building, Upper Darby, Pa. Owner, name withheld. Brick, stone, steel, 4 stories, 160x135 feet, vapor heat, electric light, tile work, hollow metal skylights, metal bulks, plate glass, steel stairs, promenade and Spanish tile roof, hardwood, composition and mineral floors, electric elevators, plumbing, roof ventilators, incinerators, laundry and kitchen equipment (85 apartments). Plans in progress.

Theatre, State College, Pa. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, Maurice Baum, State College, Pa. Brick, stone, steel, concrete, 1 story, electric light, slag roof, cement floors. Plans in progress.

Church, West Chester, Pa. Architects, Henry D. Dagit & Son, 34 South Seventeenth street, Philadelphia. Owners, St. Agnes' Roman Catholic Church, Rev. H. C. Schuyler, West Chester, Pa. Stone, 1 story and basement and gallery, 71x200 feet, slate roof. Ready for bids in three weeks.

Bank Building, Bloomsburg, Pa. Architects, Simon, Brittain & English, 929 Chestnut street, Philadelphia. Owners, Bloomsburg National Bank, A. Z. Schoch, Bloomsburg, Pa. Brick, limestone, 1 story and basement, 42x66 feet. Architects will build.

Stores and Apartments (7), East Market street, York, Pa., \$65,000. Architects, Gemmill & Billmeyer, Rosenmiller Building, York, Pa. Owner, J. E. Graybill, 104 East Market street, York, Pa. Brick and terra cotta, 4 stories, 33x175 feet, slate roof, hardwood floors, electric light, tile work. Architects will be ready for bids in a few days.

Hotel, Sixth and Edgemont avenue, Chester, Pa. Architect, William Woodburn Potter, Real Estate Trust Building, Philadelphia. Owner, J. G. Pappas, on premises. Ready for bids in one week.

Twin Residence, Drexel Hill, Pa. Architect, private plans. Owners, Feely & Co., 1504 Locust street, Philadelphia. Frame and stucco, 2 stories, 18x30 feet, asbestos shingle roof, oak and pine floors, hot water heat, electric light, tile work. Owners taking sub-bids.

Church and Sunday School, Swarthmore, Pa. Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owner, name withheld. Stone and cast stone, 1 story and basement, 40x123 feet, variegated slate roof, composition and maple floors, plumbing, organ and church furniture, concrete work, folding doors, miscellaneous iron work, stained glass, quarry tile, electric light, vapor heat. Plans completed. Architect will be ready for bids in a week.

Department Store Building, Harrisburg, Pa., \$200,000. Architect, C. J. Lappley, Cottel-Ebner Building, Harrisburg. Owner, I. H. Doutrich, 304 Market street, Harrisburg, Pa. Architectural terra cotta front, steel, 4 and 6 stories, 26x210 feet, Barrett Specification roof, oak and cement floors, hollow tile, elevators, roof ventilators, waterproofing and dampproofing, iron stairs, ornamental plaster, leaded glass, rolled steel sash, gypsum tile, tile and marble work, metal lath (heating,

plumbing and electric reserved). Architect taking bids due January 29th.

Residences (2 pairs), Allentown, Pa. Architect, E. R. Bitting, Odd Fellows' Building, Bethlehem, Pa. Owners, J. Snitzer, Allentown, Pa. Brick, 2 stories, 26x40 feet each, slate roof, hardwood floors, hot water heat, electric light, tile work. Owner taking sub-bids.

Manufacturing Building, York, Pa. Architect, J. B. Hamme, City Bank Building, York, Pa. Owners, Manufacturers' Association of York, R. Gephart, 15 West Market street, York, Pa. Fireproof, 6 stories, 66x55 feet, tile roof, hardwood floors, hollow tile, elevators, safety treads, ornamental iron work, iron stairs, tile, marble and terrazzo work, metal lath, steam heat, electric light. Architect will be ready for bids April 1st.

Y. M. C. A. Building (including auditorium and gymnasium), Newberry and Philadelphia streets, York, Pa. Architect, Edward Leber, Hay Building, York, Pa. Owners, Y. M. C. A. of York, J. M. Bailey, secretary, 140 West Market street, York, Pa. Fireproof, 5 stories and basement, 119x165 feet and 70x90 feet, hardwood and composition floors, hollow tile, elevators, roof ventilators, ornamental iron work, iron stairs, rolled steel skylights, tile and marble work, metal lath, steam heat, electric light. Plans completed. Architect will be ready for bids about February 1st.

Senior High School, York, Pa. Architect, J. B. Hamme, City Bank Building, York, Pa. Owners, York School District, D. M. Crider, secretary, 512 South Water street, York, Pa. Fireproof, 3 stories, 236x245 feet, composition roof, hardwood and composition floors, hollow tile, safety treads, roof ventilators, waterproofing, dampproofing (heating, electric and plumbing separate), metal lath, tile, marble and terrazzo work, rolled steel sash and skylights, fire doors, bond. Owners will take bids April 1st.

Theatre, Stores, Offices and Apartments, Shenandoah, Pa. Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owner, name withheld. Brick, 30x150 feet, steam heat, electric light, tile work, concrete work, marquette, interior decorating, stucco, plumbing, structural steel, miscellaneous iron work. Plans in progress.

Residence, Merion, Pa. Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owner, E. R. Anderson, care of architect. Hollow tile, stucco, 2½ stories, 28x34 feet, slate roof, hardwood floors, plumbing, vapor heat, electric light, tile work. Plans in progress. Architect will be ready for bids in a month.

Store and Apartment Building (alts.), Mahoney City, Pa. Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owner, W. R. Borneman, Mahoney City, Pa. Brick, frame, 3 stories, 24x33 feet, hot water heat, electric light, hardwood floors, plumbing. Plans completed. Owner will take general bids.

Residence and Garage, Lemoyne, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owner, Bertha L. Lilly, 20 North Fourth street, Harrisburg, Pa. Stone (local), 2 stories, 40x30 feet, 1 story, 18x20 feet, slate or tile roof, hardwood floors, hot water heat, electric light. Architects taking bids due January 22nd.

Residence and Garage (4), Haverford and Manoa Roads, Merion Lake, Pa. Architect, Peter F. Getz, Victory Building, Philadelphia. Owner, name withheld. Stone, 2½ stories, 78x32 feet, 1 story, 30x32 feet, alternate shingle or tile roof, hardwood, maple, pine and cement floors, hot water heat, tile and marble work, metal lath, electric, plumbing. Architect taking general and sub-bids due January 22nd.

Residence, Kingsley avenue, Bluebell, Pa. Architect, Addison H. Savery, 1309 Locust street, Philadelphia. Owner, Charles Leirer, 667 West Johnson street, Philadelphia. Stone, 1½ stories, 30x60 feet, hot water heat, electric light, slate, shingle roof, oak and pine floors. Architects taking bids due as soon as possible.

Service Station, Harrisburg, Pa. Owners, Atlantic Refining Co., C. H. Ehlers, Atlantic Building, Philadelphia. Brick, cement and stucco, 1 story, 15x15 feet, glazed tile roof, cement floors. Owners taking bids due as soon as possible.

Theatre, Store and Hotel, Carlisle, Pa. Architect, C. J. Lappley, Cottel-Ebner Building, Harrisburg, Pa. Owners, Bellehas & Hemewal, William Penn Hotel, Harrisburg, Pa. Low bidder: Charles Lady, Fourth and Seneca streets, Harrisburg, Pa.

Bridge, over Canal, Bridgeport and Norristown, Pa. Engineer, J. B. Long, Norristown, Pa. Owners, Montgomery Co. Commissioners, Norristown, Pa. Low bidder: C. R. Camp, 10 South Eighteenth street, Philadelphia, \$72,950.

Pennsylvania Contracts Awarded

William Penn High School, Harrisburg, Pa., \$263,300. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Harrisburg School Board, 121 Chestnut street, Harrisburg. Interior finish, electric fixtures (heating and ventilating separate), maple floors, tile and marble work. Contract awarded to C. W. Strayer, Thirteenth and Thompson streets, Harrisburg. Heating and ventilating awarded to Herre Brothers, Harrisburg, Pa., \$149,936. Electric awarded to Dauphin Electric Co., Harrisburg, \$13,795.67. Plumbing awarded to Herre Brothers, Harrisburg, \$13,655.

School, Auditorium and Convent, Lenni road, Lenni, Delaware County, Pa. Architects, F. V. Nickels and C. J. Mitchell, 15 South Twenty-first street, Philadelphia. Owners, St. Francis De Sales, care of D. Cardinal Dougherty, 1732 Race street, Philadelphia. Brick, cut stone, steel, cement block, 2 stories and basement 84x52 feet, convent, 2½ stories and basement 33x36 feet, slag and slate roof, cement and pine, oak and maple floors, roof ventilators, leaded glass, ornamental iron work, bond, tile and marble work. Contract awarded Flounders Brothers, Media, Pa.

Garage and Sales Room, Bradford, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Star Garage Co., Bradford, Pa. Fireproof, 2 stories, 250x150 feet, composition roof, concrete floors, steam heat, electric light, metal lath, floor hardeners. Contract awarded to McNamara & Griffin, Bradford, Pa.

Garage, Radnor, Delaware County, Pa., \$25,000. Architects, Sheppard & Sterns, 65 Franklin street, Boston, Mass. Owner, Alex. Sellers, Radnor, Pa. Cement block and stucco, 1 story, 66x55 feet, wood shingle roof, cement floors, plumbing, hot water heat, electric light. Contract awarded J. S. Cornell & Son, 1528 Cherry street, Philadelphia.

Bridge, State Road, Darby Creek, Delaware County, Pa., \$23,500. Engineer, R. J. Aydolette, Media, Delaware County, Pa. Owners, County Commissioners, Media, Pa. Contract awarded Kaufman Const. Co., Pennsylvania Building, Philadelphia.

Bank Building, Frackville, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, First National Bank & Trust Co., Frackville, Pa. Brick, hollow tile, cut stone, granite, steel, 1 story, mezzanine and basement 100x35 feet, composition roof, ce-

ment floors, steam heat, electric light, marble work hollow metal sash and doors, bond, ornamental iron work, painting and glazing, composition stair treads, roof ventilators, limestone, ornamental plaster, wrought iron pipe, plumbing, banking room equipment. Contract awarded Friel-McLeister, Inc., 1615 Spruce street, Philadelphia.

Club House, South Fourth street, Easton, Pa. Architects, Thomas, Martin & Kirkpatrick, 112 South Sixteenth street, Philadelphia. Owners, Loyal Order of Moose, Easton, Pa. Brick, concrete, stone, cut stone, steel, 2 stories and basement 158x60 feet, Barrett Specification roof, composition and cement floors, hollow tile, plumbing, roof ventilators, shoring, waterproofing, ornamental terra cotta, ornamental iron work, floor hardener, bond, rolling steel skylights, tile, marble and metal lath, steam heat, electric light, cast stone, wrought iron pipe, flagstone, granite, bronze work. Contract awarded Butz & Clader, Allentown, Pa.

Church Building, Sunday School Building, Edge Hill, Pa. Architects, Druckenmiller & Williams, 1537 Chestnut street, Philadelphia. Owners, Carmel Presbyterian Church, Edge Hill, Pa. Stone, cut stone, 1 story and basement, 112x72 feet (heating reserved), slate roof, maple floors, electric light, metal lath, tile work, ornamental iron work, dampproofing, plastering, carpentry and mill work, painting and glazing, tile work, plumbing, bond, hardware, Dewideon doors. Contract awarded Bowden Const. Co., 1935 Chestnut street, Philadelphia, but not yet signed.

Residence, Drexel Hill, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, A. P. Spencer, care of architect. Frame, 2½ stories, 26x42 feet, hot water heat, electric light, shingle roof, hardwood floors, tile and marble work. Contract awarded Pasquala Beccia, Lansdowne, Pa.

School, Elkins Park, Pa. Architects, Paul A. Davis, 3rd, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Board of Education, Cheltenham Township, Pa. Contract awarded on general contract to J. Y. Loux, Fifteenth and Hunting Park avenue, Philadelphia, \$384,700. Heating, plumbing and electric not awarded.

Bungalow, Prospect Park, Pa. Architect, private plans. Owner, name withheld. Frame and stucco, 1½ stories, 25x30 feet, shingle roof, oak and pine floors, hot water heat, electric light, tile work. Contract awarded Feely & Co., 1504 Locust street, Philadelphia, who are taking sub-bids.

Residence and Garage, St. David's, Pa., \$20,000. Architect, private plans. Owner, name withheld. Concrete block, stucco, 2 stories, 30x45 feet, shingle roof, hot water heat, electric light, tile work. Contract awarded Donald Flannagan, 1504 Locust street, Philadelphia, who is taking sub-bids.

Moose Temple Completion, Reading, Pa. Architect, William H. Lee, 1505 Race street, Philadelphia. Owners, Loyal Order of Moose, Reading, Pa. Stone, 3 stories, 75x220 feet, capacity 1800, slate roof, cement and hardwood floors, hollow tile, elevators, steam heat, electric light, tile and marble work. Contract awarded C. H. Schlegel, Reading, Pa.

Factory (alts.) to Office, Fifth and Court streets, Reading, Pa. Architect, Calvin J. Young, 226 North Sixth street, Reading, Pa. Owner, C. H. Contos, Hotel Penn, Reading, Pa. Partitions, plumbing, mineral floors, general alterations. Contract awarded to L. H. Focht & Son, Baer Building, Reading, Pa.

Roosevelt School (add.), Allentown, Pa. Architect, E. M. Pichen, Allentown, Pa. Owners, Board of Education, Allentown, Pa. Brick, steel, 2 stories, 170x60 feet, 50x100 feet (plumbing, heating, electric separate), slag roof, maple floors, hollow tile, safety treads, roof ventilators, ornamental iron work, bond, metal lath, tile work. Contract

awarded: Friel-McLeister, Inc., 1615 Spruce street, Philadelphia, \$222,222.

Bridges (reconstruction), No. 65-64, South of Gibraltar, Pa.; No. 64-65, North of Birdsboro, Pa.; No. 6-72, South of Pencoyd, Pa.; No. 6-22, North of Nicetown Junction, Philadelphia. Owners, Philadelphia and Reading Railroad, Twelfth and Market streets, Philadelphia. Contract awarded concrete work to Bennett & Randall, Lebanon, Pa. Waterproofing, Martin & Breen, 1613 Sansom street, Philadelphia.

Bridge, No. 87-90, South of Schuylkill Haven, Pa. Owners, Philadelphia and Reading Railroad, Twelfth and Market streets, Philadelphia. Contract awarded on concrete work and waterproofing to Martin & Breen, 1613 Sansom street, Philadelphia. Steel superstructure, McClintock-Marshall, Morris Building, Philadelphia.

New Jersey Construction News

Grade Schools (2), Audubon, N. J. Architect, Arnold H. Moses, Temple Building, Camden, N. J. Owners, Borough of Audubon, G. W. Hoffman, care of Quaker Oils Co., 105 South Water street, Philadelphia. Architect selected.

Residences (30), Brigantine Beach, N. J. Architect, A. F. Amodio, 2304 Atlantic avenue, Atlantic City, N. J. Owners, Palmer & Fortine, Absecon, N. J. Frame, 2½ stories, 26x56 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Sketches in progress.

Apartment (alts.), Kentucky and Pacific avenues, Atlantic City, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City, N. J. Owner, Ernest Schivem, care of architect. New partitions, electric work, hardwood floors, general interior alterations. Plans in progress.

Schools (3), Clarksboro, N. J.; Mickleton, N. J.; Mt. Royal, N. J. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Greenwich Township School Board, I. H. Davidson, care of Colonial Trust Co., Thirteenth and Market streets, Philadelphia. Brick, 1 story each. Plans in progress.

Store (rear) (alts. and add.), Atlantic City, N. J. Architect, J. V. Mathis, Guarantee Trust Building, Atlantic City. Owners, Schwartz Brothers, 1619 Atlantic avenue, Atlantic City. Brick, steel, 3 stories, 40x60 feet, slag roof, pine floors, hollow tile, electric light heating extension. Architect will build.

Residences (2) and Garage, Atlantic City, N. J. Architect, J. V. Mathis, Guarantee Trust Building, Atlantic City. Owner, A. E. Webb, care of architect. Brick, frame, 2½ stories, 26x41 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Architect will build.

Church and Parsonage, White Horse Pike and Collings avenue, West Collingswood, N. J. Architects, Lackey & Hettle, 5 Hudson avenue, Camden, N. J. Owners, West Collingswood Methodist Episcopal Church, W. W. Rehn, 525 Harrison street, West Collingswood, N. J. Stone, cinder block, steel, 1 story and basement, 41x89 feet, wing 55x41 feet, slate roof, cement and maple floors, plumbing, waterproofing and dampproofing, ornamental iron work, bond, tin covered doors, metal lath, tile and marble work, electric light, composition stone, bluestone, Venzrie block system. Low bidders: Wills Bill Co., 1706 Sansom street, Philadelphia.

Church, Pitman, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owners, Pitman Presbyterian Church, Mr. Boswick, Pitman, N. J. Brick and stone, 1 story and basement, 40x70 feet, slag roof,

steam heat, electric light. Plans in progress.

School, Hopewell, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Board of Education of Hopewell Township, H. Pittinger, Hopewell, N. J. Brick, structural steel, 2 stories, 172x78 feet, built-up roof, hardwood floors, hollow tile, safety treads, metal ceilings, dampproofing, ornamental iron work, iron stairs, bond, metal lath (heating, plumbing and electric work separate). Owners and architect will be ready for bids next Tuesday.

School, Pennington, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Board of Education of Hopewell Township, H. Pittenger, Hopewell, N. J. Brick, steel, 2 stories, 156x78 feet, built-up roof, maple floors, hollow tile, safety treads, metal ceilings, dampproofing, iron stairs, ornamental iron work, bond, metal lath (heating, electric work and plumbing separate). Owners and architect will be ready for bids next Tuesday.

Residence, Morris Heights, Trenton, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owner, Otto Wetzel, 29 Newell street, Trenton, N. J. Brick, 2½ stories, 24x58 feet, tile roof, hardwood floors, vapor heat, electric light, tile and marble work. Architects taking bids.

High School, Caldwell, N. J. Architects, Starett & Van Vleck, 8 West Fortieth street, New York City. Owners, Board of Education, Caldwell, N. J. Brick, limestone, steel, 3 stories and basement, 173x62 feet, 67x55 feet (plumbing, heating, electric separate), slag roof, maple floors, roof ventilators, metal lath, tile work, terrazzo work, rolling steel skylights, bond, ornamental iron work, bluestone, cast stone, soapstone, slate work, vault doors. Owners taking bids due January 25th.

Residence and Garage, Woodbury, N. J. Architect, R. L. Goldberg, 10 South Eighteenth street, Philadelphia. Owner, George A. Eagen, care of architect. Frame, 2½ stories, 25x60 feet, 1 story, 20x24 feet, creosote-dipped shingle roof, oak floors, cement work, tile work, electric light, vapor vacuum heat. Architect taking bids due January 22nd.

New Jersey Contracts Awarded

Residence, Haddonfield, N. J. Architect, C. Barton Keen, 338 South Smedley street, Philadelphia. Owner, Henry D. M. Sherrard, Haddonfield, N. J. Frame, clapboard, 2½ stories, 80x35 feet, shingle roof, hardwood and pine floors, vapor heat, electric light, tile work. Contract awarded Samuel Taylor, Haddonfield, N. J.

Residences (3), 1113-17-21 North Thirty-first street, Camden, N. J., \$4,000 each. Owners, Carroll Brothers, 1115 Lois avenue, Camden, N. J. Frame, 1½ stories, 24x33 feet, rubberoid roof, hot water heat. Contract awarded to D. J. Carroll, 1115 Lois avenue, Camden, N. J.

Steel Pier, Atlantic City, N. J. Architects, McLanahan & Beneker, Bellvue Court Building, Philadelphia. Owner, J. Bothwell, care of Hotel Bothwell, Atlantic City, N. J. Wood piling, concrete and cement work, steel and iron work, plastering, carpentry and mill work, marble and tile work, slate work, waterproofing, slag and copper shingle roof, plumbing, steam heating, electric light. Contract awarded Samuel Headley, Atlantic City, N. J.

Administration and Manufacturing Building, Ninth and Cooper streets, Camden, N. J. Architect, private plans. Owners, R. M. Hollingshead Co., on premises. Reinforced concrete, brick, steel, 6 stories and basement,

150x60 feet, slag roof, cement floors, elevators, steam heat, electric light, rolling steel sash and skylights, ornamental iron work. Plans in progress. Contract awarded William Steele & Son, 219 North Broad street, Philadelphia.

Store and Office (alts. and add.), 544-46 Federal street, Camden, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owner, Sigmund Schoenagle, Federal and Hudson avenue, Camden, N. J. Brick, stone, steel, concrete, 3 stories, 40x120 feet, slag roof, hardwood floors, cinder block, copper work, dampproofing, iron stairs, ornamental iron work, fire doors, rolled steel sash, metal lath, steam heat, electric light. Contract awarded John M. Yardley, 1730 Sansom street, Philadelphia.

Residence, Beach Haven, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owner, Mr. Pennington Way, care of architect. Timber, 2 stories, 34x28 feet, shingle roof, yellow pine floors, hot water heat, electric light, tile work. Contract awarded to F. Cramer, Beach Haven, N. J.

Factory (alts. and add.) to Display Room, Camden, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, Greenwood Motor Co., 1120 Linden street, Camden, N. J. General alterations, copper work, plate glass, electric work, composition floors. Contract awarded to Carl E. Widell, Woodlynne, N. J.

Building, 392 Webster street, Camden, N. J., \$6,500. Architect, private plans. Owner, Joseph W. Keller, 417 Viola street, Camden, N. J. Brick, 1 story, 23 feet 9 inches x 42 feet 11 inches, built-up an asphalt roof, steam heat, electric light. Contract awarded to Richartz & Furner, 1838 Fillmore street, Camden, N. J.

Group of Buildings, Trenton Junction, N. J. Architects, Guilbert & Betelle, Newark, N. J., and A. H. Moses, Camden, N. J. Owners, New Jersey School for Deaf, State Board of Education, Trenton, N. J. New bids on plumbing, heating and ventilating due January 30th. Plans can be seen at Mr. A. Moses' office, Camden, N. J. Contracts awarded: Main building, including kitchen, auditorium, gym and locker rooms, T. Day & Son, Trenton, N. J., \$271,352. Electric, Strang Elec. Co., 214 South Seventh street, Philadelphia, \$13,545, including alt. 4. Item B—Shed building, including reinforced concrete roofs over entire building and metal partitions in shops, J. M. Yardley, 1730 Sansom street, Philadelphia, \$51,320; electric, Charles McCaul, 1713 Sansom street, Philadelphia, \$4,487, including alt. 5. Item D—Superintendent's house, all bids rejected. Item C—Laundry building, contract awarded J. H. Morris & Co., Trenton, N. J., \$23,581; electric, Strang Elec. Co., 214 South Seventh street, Philadelphia, \$1,455 includes alt. No. 6. Item E—Outside underground trench work, J. H. Morris Co., Trenton, N. J., \$1,500; electric, Mercer Elec. Co., Trenton, N. J., \$628. Item F—All bids rejected.

Miscellaneous Construction News

Building (alts. and add.), location withheld. Architect, John A. McKibbin, Industrial Trust Building, Wilmington. Owner, name withheld. Brick, 1 story, 26x50 feet, steel, plate glass windows, metal set, tile work, hardwood floors. Plans in progress.

Residences (7), Wilmington, Del. Architect, John A. McKibbin, Industrial Trust Building, Wilmington. Owner, P. W. Newell, 1401 Maple street, Wilmington, Del. Brick, 2½ stories, 20x30 feet, composition roof, hot water heat, hardwood floors. Plans in progress. Owner will build.

Store Building, location withheld. Architect, John A. McKibbin, Industrial Trust Building, Wilmington. Owner, name withheld. Brick, 3 stories, 50x100 feet, steel work, plate glass, metal work, plumbing, hot water heat, electric work. Sketches in progress.

Residences (8), location withheld. Architect, John A. McKibbin, Industrial Trust Building, Wilmington. Owner, name withheld. Brick, 2½ stories, 20x30 feet, composition roof, hot water heat, hardwood floors. Sketches in progress.

Hotel, Roaring Gap, N. C. Architects, Charles Barton Keen and Wallace, 338 South Smedley street, Philadelphia. Owners, Roaring Gap Hotel, Roaring Gap, N. C. Stone, 4 stories and basement, 64x187 feet (electric, plumbing, heating and tile work reserved), slate roof, hardwood floors. Architects taking bids due January 27th.

Hospital (add.), Frederick, Md. Architect, Edward Leber, Hay Building, York, Pa. Owners, Frederick City Hospital, Frederick, Md. Fireproof, brick, 4 stories, 48x58 feet, composition floors, tile work, hollow tile, kitchen equipment, electric lighting, heating extension, metal lath. Plans in progress.

Residence, Frederick, Md. Architect, Edward Leber, Hay Building, York, Pa. Owner, Benjamin F. Reich, Frederick, Md. Brick, 1½ stories, 40x60 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Architect ready for bids.

Residence, Hubbard Woods, Chicago, Ill. Architect, William Woodburn Potter, Real Estate Trust Building, Philadelphia. Owner, T. A. Potter, Chicago, Ill. Frame and shingle, concrete block base, 2½ stories, shingle roof, hardwood floors, hot water heat, electric light, tile work. Owner will be ready for bids from local bidders in one week.

Residence and Garage, Winston-Salem, N. C. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, E. W. O'Hanlon, Winston-Salem, N. C. Hollow tile, stucco, 3 stories, 70x37 feet, 2 stories (2 car), (heating, plumbing, lighting, tile work reserved) tile roof, hardwood, composition and cement floors. Architect taking bids due January 29th.

Miscellaneous Contracts Awarded

Parochial School, Sixth and Tatnall streets, Wilmington, Del. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owners, St. Peter's Cathedral, Rev. J. J. Dougherty, Wilmington, Del. Brick, limestone, steel 3 stories and basement, 105x50 feet, slag roof, cement and pine floors, waterproofing and dampproofing, ornamental iron work, bond, metal lath, tile work, hollow metal sash, precast stone, metal partitions, cast iron pipe. Contract awarded Joyce & Kerrigan, Wilmington, Del.

THE NEW VOGUE OF MILL CONSTRUCTION

*Booklet Prepared by Engineers and
Architects Explains Recent High
Development of This Type of
Industrial and Commercial
Building*

The marked increase in favor of mill construction for factories and warehouses is accounted for by the facts regarding such construction. These are summed up in the sixth chapter of the National Lumber Manufacturers' Association's notable fire prevention series,

which is a part of the cumulative work on "Lumber and Its Utilization," the technical classic on this subject.

The demand for mill construction has occasioned a widespread desire among architects, engineers, industrial executives, building officials, contractors, and others, for complete and authoritative information on the subject. Accordingly the engineers and architects of the National Lumber Manufacturers' Association have made a careful study from which results the present chapter on "Fire-Safe Industrial Buildings" and the following one on "Details of Heavy Timber Construction." The former is now ready for distribution in booklet form. It is being sent to all persons who have applied for the previous chapters of "Lumber and Its Utilization" as well as to certain professional lists. A copy will be forwarded gratis, on application, to manufacturing companies, interested professional men, and industrial executives. It is in no sense an advertising publication but is purely technical and educational.

This new chapter deals carefully with the fundamental considerations that should be taken into account when selecting the housing accommodations for industrial and manufacturing processes. It treats in a broad way of elements vital to business success;—economy of fixed investment; rapidity of building; independence, during erection, of seasonal weather conditions; slow-burning or fire-resistance quality. It takes into account the importance of protecting the contents of a building and points out how important for continuity of operations is the segregation of the stories of a building by eliminating vertical and horizontal fire travel channels. How the owner, the business executive, the architect and engineer, as well as the operative constructor, profit from the use of this type of building construction is indicated in fact-presentations.

Making a direct challenge for support in effecting a reformation within the construction industry, leading contractors engaged with officials of surety companies in a hot session as the Sixth Annual Meeting of the Associated General Contractors of America drew to a close. Speakers declared a chaotic condition exists in the industry because irresponsible contractors are given bonds. The contractors stated they will carry the matter through to the Federal Trade Commission and will seek state legislation to force the issue in the event an agreement for reform is not reached speedily by other means. Representatives of committees appointed by other elements of the construction industry were present and pledged their support to the contractors.

The officials of the surety companies sought to have a permanent commission appointed to investigate the situation. The contractors, charging the bonding organization with already having delayed direct action moved to take the situation in their own hands when they voted to turn the entire subject over to their special committee on insurance and bonds.

Speakers for both sides, representatives of the bonding companies having been invited to present their case, agreed the present situation is costing the public a large amount of money annually. The surety officials pleaded they find great difficulty in determining a means for fixing the responsibility of an individual contractor.

Several meetings between the contractors, public officials and representatives of the bonding companies have been held during the past two years.

Those who addressed the convention declared, however, that the situation has become so acute during this time that some method of ridding the industry of irresponsible contractors must soon be found if present distressing conditions are to be averted.

Geo. B. Walbridge, Detroit, Michigan, was elected President of the Association to succeed Frederick L. Cranford, Brooklyn, N. Y.; H. W. Baum, Salt Lake City, Utah, was chosen Vice President at Large; Sumner Sollit, Chicago, Godfrey Edwards, Los Angeles, were chosen Vice Presidents. The following were named as Directors: E. R. Shenk, Erie, Pennsylvania; J. S. Crinkley, Memphis, Tennessee; F. M. Garthwaite, Charlotte, N. C.; H. S. Tullock, Leavenworth, Kansas, and C. W. Lundoff, of Cleveland.

Suggestions made and policies outlined by President Coolidge, Secretary Hoover and Secretary Work in addressing the Convention were followed in the resolutions adopted by the final business session. Among them was a resolution Seasonal Fluctuation in Construction; favoring a Division of Public Works; condemning day labor; advocating apprenticeship training; for a code of contract laws; on railway legislation; separate contracts; on bonding practices; on lien laws, and a resolution expressing the thanks of the convention to all those who participated in the convention's deliberations.

Haphazard business operations that have been fastened on the government by a mass of conflicting contract laws are soon to be escaped, General H. M. Lord, Director of the Bureau of the Budget, said in addressing the sixth annual meeting of the Associated General Contractors of America, at Washington last week.

He announced that a standard contract form which will make a "contract with

the government a prize to be secured rather than a pest to be avoided" will soon be presented to President Coolidge for his approval.

That the government's present manner of contracting for work is resulting in gross waste of the public funds was indicated by General Lord when he stated the country has "paid dearly" for the chaotic conditions imposed by the 224 separate contract laws passed by Congress. Many of these laws overlap and thus befuddle the government agencies.

General Lord also announced plans for the drafting of a single contract law to replace the befuddling legislation which now governs the letting of federal contracts.

HOLLOW TILE WALLS GIVEN FIRE TEST

Hollow building tile having double shells on the two exposed sides give very good results from the point of view of fire protection, the Bureau of Standards finds. The exposed shell serves as a protection for the rest of the tile, and in order to distribute the stresses properly, the web connecting this outer shell with the inner wall of the tile should be thinner or less in number than the webs back of the inner wall.

Gypsum and Portland cement plaster coatings over hollow tile will stay in place during ordinary fire exposure and will give about the same protection from fire as the addition of one wall and cell to the thickness of the tile.

The addition of a combustible filler, such as sawdust, to the clay in amounts from 5 to 15 per cent. by volume, decreases the cracking of the burnt tile when exposed to fire, but has the disadvantage of producing a decrease in strength for the larger amounts of filler, thus lessening the ability of the tile to carry load under fire exposure.

More than 100 tests of small tile panels have been made, the panels forming one side of a special furnace. Eight tests have been made on walls 11 by 16 feet, and these are the first of a series of 50 fire tests to be conducted on hollow tile walls in the near future. Some of these walls will be tested restrained by the heavy panel frame as they would be if supported by cross walls during an actual fire. Others will be unrestrained, being supported only at the bottom. In some of the tests the walls will carry their normal working load.

Other points found to add to the quality of tile are sufficiently fine grinding of the raw material, the even burning of the clay to normal hardness for that particular clay, the provision of sufficiently heavy shells and webs, and the use of ample fillets where the webs join the shell.

"Come and See How A House Should Be Built" is the appeal to be broadcast to the public and to architects, contractors and builders at the Chicago Fifth Annual "Own Your Home" Exposition when visitors will be permitted to peep behind the scenes at the Coliseum where the Exposition will be held from March 21st to 28th.

For many years at both the Chicago and New York Expositions, the public has been charmed with the full size houses that have been erected and completely furnished through the co-operation of all exhibitors, and the various exhibit committees, particularly the Architectural and Building Materials Committees have decided to go further, and show the right way to build a home.

These Committees believe that the home seeker should be taught good construction methods, and the proper uses of certain materials, and that builders and contractors will find it to their interest to observe these methods as will be demonstrated in a novel way at the Chicago and New York Expositions. The same plan may be used at Philadelphia and Buffalo where the same management that has so successfully conducted the New York and Chicago Expositions will hold similar Expositions for the first time this Spring.

Accordingly, (for the above reasons and also because each year something new must be devised to attract the Exposition visitors,) there will be erected in the center of the floor, a vine covered facade, with an English rose garden, a portion of the roof and several windows to demonstrate the various modern types of windows and frames. This front elevation will be complete in every way and give the appearance of a finished house, and the rest of this structure will be shown under the process of construction, presenting striking lessons in how a foundation should be laid, walls built, and plumbing installed. Partly constructed walls, cross section displays, exposed plumbing fixture connections, a strip of flooring adjoining one of the partly constructed walls (showing how floors should be built,) various types of insulating material exposed in side walls and other products will be on view.

Such a display will provide visitors with a comprehensive picture of correct construction, educate them in the use of standard materials and products and finally convince them that the properly built house will have considerably less upkeep than one that is poorly built. In this connection, the New York Exposition Concrete House and Cement Products Committee of which B. N. Wait, District Engineer of the Portland Cement Association is Chairman, states that this Committee intends to advise visitors to the New York Exposition that: "When a man buys a house he can only get one of

two things in the last analysis—a well built house or a poorly built house. A house that is generally well built but has only poor plumbing or perhaps poor floor construction or a poor heating plant is to be considered a poor house even though all the other items in the house are good because it inevitably makes for trouble and expense. If the house is well planned and soundly built the repairs for the first ten years will be practically negligible and limited to replacement of minor parts subjected to wear such as faucet washers, repainting of parts exposed to weather, etc. The depreciation also will be very small.

"A first cost that may be lower by \$200 or \$300 in a \$6000 or \$7000 house is usually the utmost that the owner can get by accepting inferior materials. Acceptance of a cheap paint, for example, in place of a high grade paint will mean, in the neighborhood of the city, repainting every two years at a cost of from \$200 to \$300 which alone would offset the so-called saving mentioned above. Defective lumber will shrink and warp causing the house to settle, resulting in cracked plaster and torn wallpaper—another item of expense for immediate repairs. In such cases the cracking will be so extensive that repairs will be necessary inside of six months from the date of purchase. The substitution of cheap plumbing, iron pipe for brass, etc., may result in burst pipes, ruined ceilings, the cost of repairing which will run into hundreds of dollars.

"The average man says 'Depreciation is a bookkeeper's item and I don't have to make any provision for it. It is not something in dollars and cents that I have to pay out every year.' Above have been given a few of the dollars and cents items that he does have to pay out every year. If, because of a change in his work, sickness or death in his family, change in the character of the neighborhood or one of a dozen other reasons, he has to move and wishes to sell his house he will find that this item of depreciation is very decidedly a dollars and cents matter; that a house that is run down at the heels with a leaking roof, bath tub and wash basins stained with rust from the iron pipe plumbing, cracked ceilings, sagged floors, creaky stairs, etc., will not bring him within \$500 to \$1000 of what he hopes to get out of the house."

It will be pointed out to the general public at the Exposition in each city that these lessons apply not only to the man who is building his own home but to the man who is preparing to buy a home already built so he may be equipped to look for the places where an unscrupulous contractor would be likely to substitute inferior and short lived materials for those that can give good normal service.

This new method of selling the visiting architects, builders and contractors the merits of certain materials, and in appealing to the attending public to INSIST that their architects, builders and contractors specify certain materials, will, in the opinion of prominent members of the construction and allied trades do much to encourage the sale of the materials and products exhibited on the Exposition floor, and such displays are in accordance with the preparation of a Code of Ethics by the Exposition Management with the co-operation of the exhibit committees. The Code, to be used in the conduct and further development of the Chicago, New York, Philadelphia and Buffalo Expositions, covers the various divisions at the Expositions, sets forth the standards to be maintained in visualizing the different professions and trades, and the points to be emphasized to the public, the kind of exhibits acceptable to the management and the exhibit committees, and is designed to raise the standard of homes built in the future.

The final draft of this Code is not yet finished and is being edited by representatives of the forty national allied trade organizations and associations that a year ago approved the plan of licensing such expositions and shows as agreed to certain rigid rules of conduct as laid by the National Association of Real Estate Boards. (The New York and Chicago Expositions were awarded License Numbers One and Two under this national plan of central control, and this year the Philadelphia and Buffalo Expositions were awarded Licenses Numbers Three and Four).

So, as the Chapter of the Code of Ethics on Building and Contracting stands at present, the Exposition management stands for honest construction, realizes the possibilities of the substitution of shoddy for good materials, but that poor workmanship and poor materials or both, will weaken the house and reduce its useful life to a very few years.

The dates of the four licensed "Own Your Home" Expositions have been coordinated so national manufacturers may prepare one exhibit for travel from city to city. The New York Seventh Annual Exposition will be held in the 69th Regiment Armory from April 18th to 25th; the Philadelphia First Annual Exposition will be held in the Commercial Museum from May 9th to 16th, and the Buffalo First Annual Exposition will be held in the Broadway Auditorium, May 30th to June 6th. All of the Expositions are under the auspices of the local real estate boards in addition to being licensed by the National Association of Real Estate Boards, though no more space is allotted to real estate than to any other division.

The American Society of Civil Engineers has appointed or approved the appointment of the Chairmen of the Building Materials Committees in each city (being one of the forty national organizations approving the conduct of such expositions under the licensing plan.)

Gardner C. Coughlen, Secretary, American Specification Institute, is Chairman of the Chicago Exposition Building Materials Committee which includes: F. W. Benedict, Devoe & Reynolds Co., Inc.; W. D. Claffey, Oak Flooring Bureau; Wharton Clay, Commissioner, Associated Metal Lath Mfgs.; Charles F. Dynes, Wisconsin Lime and Cement Co.; A. J. Eggleston, Richards-Wilcox Mfg. Co.; E. H. Ervin, H. H. Birge & Sons Company; C. G. Henning, U. S. Gypsum Co.; C. H. Howae, National Kellastone Co.; Geo. N. Lamb, Secretary, American Walnut Manufacturers Assn.; Thomas Lehon, President, the Lehon Company; John Lind, Prepared Roofing Association; C. A. Livingston, Illinois Manufacturers' Association; P. M. Louwerse, Truscon Steel Co.; H. N. McDonald, Gypsum Industries Association; F. J. McManus, Barber Asphalt Co.; Walter N. Moore, E. B. Moore, E. B. Moore & Co.; Thomas Moulding, Thomas Moulding Brick Co.; T. B. Munroe, The Celotex Company; L. N. Nelson, Illinois Zinc Co.; J. S. Sleeper, Hollow Building Tile Association; W. L. VanDame, W. L. VanDame Co.; and H. S. Williams, David Luptons Sons Co.

Col. Roger D. Black is Chairman of the New York Exposition Building Materials Committee, and Emile G. Perrot is Chairman of the Philadelphia Building Materials Committee. T. W. Bannally, City Engineer of Tonawanda, member Engineering Society Buffalo, is Chairman of the Buffalo Exposition Building Materials Committee. The memberships of the New York, Philadelphia and Buffalo Committees will be announced at a later date.

NATION'S BUILDING SHORTAGE

A nation-wide survey, covering all cities having a population of 10,000 and over, has just been completed by S. W. Strauss & Company to determine the present building shortage. The report based on the results of this investigation shows that there is a shortage amounting to more than \$4,000,000,000. Of this amount \$2,102,698,500 is needed for residential buildings; \$1,130,851,500 for commercial buildings; and \$870,270,000 for public buildings of all kinds. The survey covered 528 cities of which number 148 showed no shortages. Several cities having a population under 10,000 were also studied, many of which revealed a shortage in all types of buildings.

Reference Directory for Architects, Builders and Owners

ARTESIAN WELLS.

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS AND ARCHITECTS' SUPPLIES.

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

ASPHALT CONSTRUCTION.

Rulon, Ralph V.239 N. 30th St., Phila.

BLUE PRINTS.

Blue Print Shop.....1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
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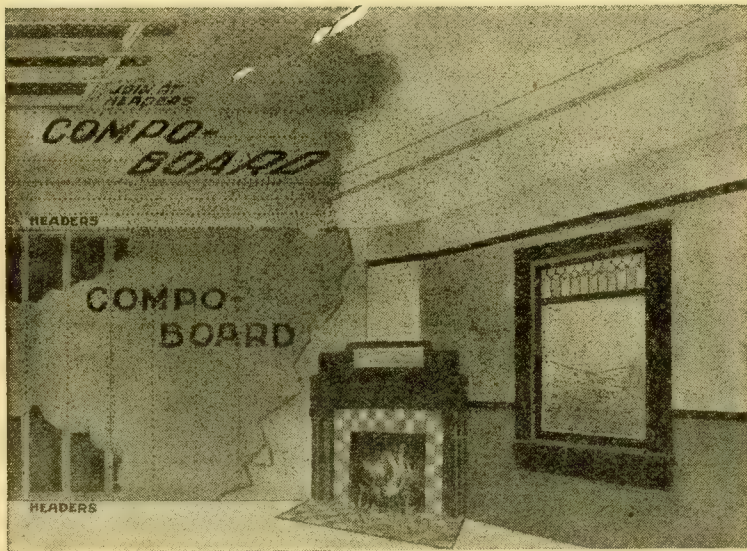
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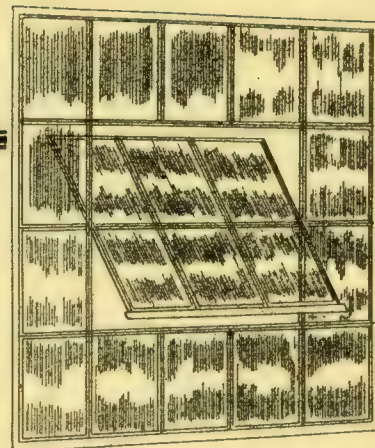
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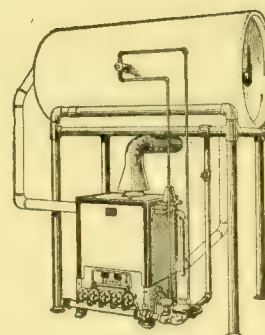
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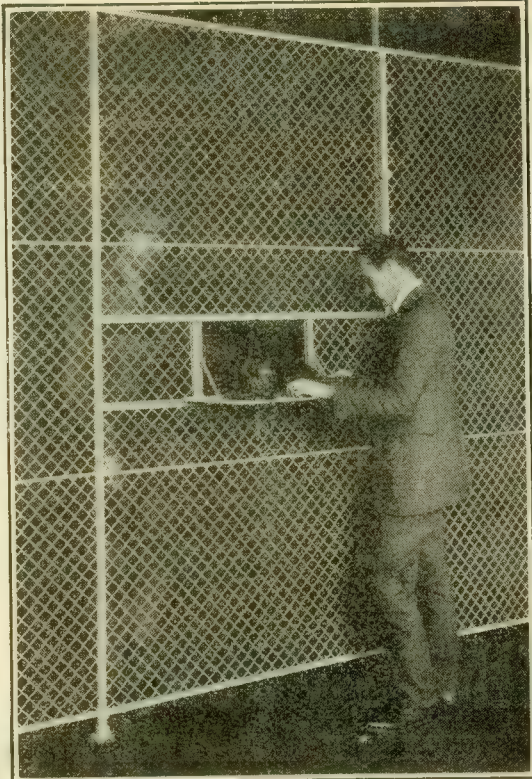
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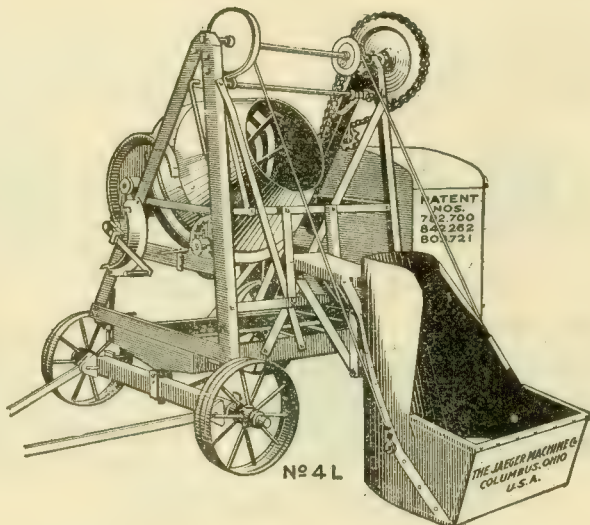
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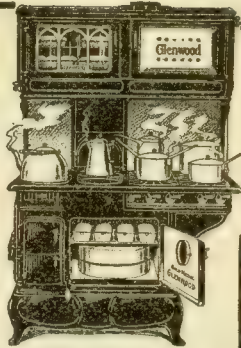
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VOLUME XL

Number 4

Engineering and the Building Trades

PHILADELPHIA

January 28, 1925

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PUBLISHED WEEKLY

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As The Editor Sees It



Resolutions passed by the Sixth Annual Meeting of the Associated General Contractors of America held in Washington January 12, 13 and 14:

Resolution No. 1 on a Federal Code of Contract Law

Whereas, the Federal laws pertaining to public contracts, some of which are more or less in conflict or were enacted to meet a condition which is no longer present; and

Whereas, the changing industrial system and the relationships between the Government and the commercial world have created new situations with which the laws pertaining to public contracts should be harmonized; and

Whereas, revision and codification of these laws would result in clearer understanding by the commercial world of its obligations with the Government in contracting matters, some of which necessarily vary from commercial practice; and

Whereas, the Interdepartmental Board of Contracts and Adjustments of the United States is completing a proposed code of public contract law;

THEREFORE BE IT RESOLVED, That the Associated General Contractors of America endorse the objects of the Interdepartmental Board and that this code of laws should be enacted without exercise of partisan politics and that it should receive the support of the entire commercial world.

Resolution No. 2 on Railway Legislation

Whereas, The railroads of the country have demonstrated their ability under the terms of existing law during the past two years to handle, with practically complete satisfaction to the shipping public, the traffic that has been offered to them in unprecedented volume without car-shortage congestion, or other transportation disabilities; and

Whereas, The railroads have declared their determination to continue their policy of expansion to provide adequate transportation for the increasing commerce of the country and to strive for greater efficiency in operation and a progressive reduction in cost.

THEREFORE, BE IT RESOLVED, By the Associated General Contractors of America that they urge upon members of Congress and the people of the country that all railroad problems as they arise be dealt with and settled as economic questions and not as political issues; and

That there is no condition existing to-day which calls for any urgent legislative action by the federal Congress with respect to the railroads, either as to rates, labor relationship or valuation; and

That adjustments in railroad freight rates and passenger fares should be left to the duly constituted government regulating bodies, where they will receive a full and fair hearing and an adequate economic analysis, and not be made the

subject of direct legislative action; and

That a continuation of adequate transportation facilities and service necessitates adequate revenues in order that railroad credit may be restored and re-established in the confidence of investors and that ample additions, improvements and repairs may be made at reasonable financial costs.

Resolution No. 3 on a Federal Department of Public Works

Whereas, the construction activities of the United States Government have increased in extent and diversity until such activities including engineering, maintenance, operation and administration have become a major function of the Government and therefore exert a direct influence over national progress and well-being; and

Whereas, the construction functions are distributed among many bureaus under divided authority and without co-ordination of effort, purpose and control essential to economy and efficient accomplishment; and

Whereas, it is obvious that the future growth of Federal Public Works must largely exceed past growth;

THEREFORE BE IT RESOLVED, That the Associated General Contractors of America urge that the present system of Federal construction, including engineering and administration, be co-ordinated into a single division to be known

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PRINTS**

as the Division of Public Works in the Department of the Interior, the head of which shall be suitably qualified to administer the Division efficiently; and

BE IT FURTHER RESOLVED, That the Associated General Contractors of America use all legitimate and proper means to bring about the creation of this Division of Public Works in substantial accord with the recommendations submitted to Congress and commonly known as the Brown Plan, outlined on Chart B, organization of the Executive Departments, Documents No. 356, 68th Congress, first session.

Resolution No. 4 on Day Labor Construction

Whereas, it is a fundamental principle of American government that Federal, State and Municipal governments and political subdivisions thereof, should not enter into competition with private industry, where that industry is capable of efficiently serving the public need; and

Whereas, it has been clearly demonstrated that private industry with individual initiative and ability can carry on production more economically than a public agency; and

Whereas, the successful and economic performance of construction projects depends upon executive ability and special knowledge of construction methods obtainable only through actual experience; and

Whereas, numerous investigations have proven that the performance of public construction by the day labor forces of governmental bodies has resulted in a waste of public funds; and

Whereas, numerous Federal, State, County, Municipal and other governmental construction departments are performing each year millions of dollars worth of construction by this unsound day labor method.

THEREFORE BE IT RESOLVED,

First—That the practice of performing public construction work by the day labor method where a definite program with

complete plans can be prepared in advance is unsound, wasteful and opposed to the best interests of the public.

Second—That legislation should be introduced into Congress and the state legislatures requiring:

(a) The preparation of complete plans, specifications and estimates before any peace-time construction project is begun with full publicity of same and of any changes subsequently made

(b) A full and correct accounting of the cost of the work

(c) Provision for publication of the actual and estimated cost, which shall be open for public inspection.

Resolution No. 5 on Apprenticeship

Whereas, it is necessary to provide an adequate supply of trained and skilled mechanics to meet the growing needs of industry, especially in the various building trades; and

Whereas, the most effective and practical method of meeting the ever increasing necessity for a greater number of better trained craftsmen which will raise the standard of skill, efficiency and citizenship of the mechanic, is through an adequate apprenticeship system; and

Whereas, an efficient method of apprenticeship training in the construction industry, based upon uniform standards throughout the nation is a public need;

THEREFORE BE IT RESOLVED,

That the Associated General Contractors of America in convention assembled approves and endorses the report of its Committee on Labor and a national system of training for building trades craftsmen; and

BE IT FURTHER RESOLVED,

That the Associated General Contractors of America approve the work of the Federal Board of Vocational Education in co-operation with other agencies to meet the existing need for adequate apprenticeship training; and

BE IT FURTHER RESOLVED,

That the Associated General Contractors

(Continued on page 63)

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CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED: ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Manufacturing Building, "D" and Pike streets, Philadelphia. Architect, Clarence E. Wunder, 1520 Locust streets, Philadelphia. Owners, A. Taylor Co., on premises. Reinforced concrete, 2 stories, 120x100 feet, slag roof, cement floors. Architect taking bids due February 3rd at noon.

Store Office and Residence, 5100 block, Baltimore avenue. Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owner, Dr. Charles S. Raabe, 5023 Baltimore avenue, Philadelphia. Brick, 3 stories, 20x18 feet, slag and tin roof, hardwood floors, electric light, plumbing, plate glass, plastering, metal bulks. Plans in progress. Ready for bids in a week.

Storage House and Still Building, Delaware avenue and Bigler street, Philadelphia. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owners, Publicker Commercial Alcohol, on premises. Brick, steel, concrete, 5 stories, 1 story, 74x72 feet, 34x23 feet (piles and electric work reserved), slag roof, cement floors, rolling steel sash, galvanized iron skylight, fire doors, bond, ornamental iron work, slag roof, cement floors. Architect taking bids due January 31st.

Home, Roosevelt Boulevard, Philadelphia. Architect, H. W. Castor, Stephen Girard Building, Philadelphia. Owners, Baptist Home, Seventeenth and Norris streets, care of Mr. P. Hess, Philadelphia Trust Co., 431 Chestnut street, Philadelphia. Preliminary plans in progress. Too early for details.

City Hall Annex, Juniper and Filbert streets, Philadelphia, approximately \$2,000,000. Architect, Philip H. Johnson, 1713 Sansom street, Philadelphia. Owners, Department of Public Works, Bureau of City Property, Philadelphia. Working plans about to be started. 15 stories, 106x175 feet.

Hospital Building, Thirty-fourth and Pine streets, Philadelphia, \$4,000,000. Architect, Philip H. Johnson, 1713 Sansom street, Philadelphia. Owners, Department of Public Works, Bureau of Health and Charities, Dr. Krusen, City Hall. Plans will be finished in about two months.

Office (interior alterations), 1424 South Penn Square, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, Mastbaum & Fleisher, on premises. Plans in progress.

Office (interior alts.), 251 South Fifteenth street, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owner, Lionel Friedman, 251 South Fifteenth street, Philadelphia. Plans in progress.

Warehouse, 1932-34 Sansom street, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owner, J. K. Scattergood, care of Abraham Felt Son, Packard Building. Architect selected. Plans not yet started.

Bank and Office Building, Broad between Walnut and Sansom streets, Philadelphia. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Fidelity Trust Co., Broad and Chestnut streets, Philadelphia. Brick, granite, reinforced concrete, carved stone and marble, steel, tile and marble work, metal lath, iron work, 20 stories, 229x175 feet. Plans in progress. (Note change.)

Maternity Building, York and Tabor roads, Philadelphia. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owners, Jewish Hospital, care of A. Fleisher, Twenty-fifth and Reed streets, Philadelphia. Stone, steel, concrete, brick, electric light, tile and marble work, fire doors, iron stairs, elevators, cement floors. Plans in progress. (Please note correction.)

Contract No. 110, Broad Street Subway (Stiles to Spruce), Philadelphia. Owners, City of Philadelphia, City Transit, 1211 Chestnut street, Philadelphia. Plans in progress. Will take bids early in February.

Residence (alts. and add.), 1916 Rittenhouse street, Philadelphia. Architect, Edwin L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, Dr. William H. Fineshriber, care of architect. Brick, stucco, 3 stories add., 28x40 feet, slag roof, hardwood floors, limestone, steel casements, remodeling, heating, lighting, tile and marble work, wrought iron. Plans in progress.

Bank, 2739-41 West Lehigh avenue, Philadelphia. Architect, J. T. Brugger, 505 Chestnut street, Philadelphia. Owners, Broad Street National Bank, Broad and Diamond streets, Philadelphia. Brick, limestone, 2 stories and mezzanine. Preliminary plans in progress.

Grain Elevator, Port Richmond, Philadelphia, \$3,000,000. Const. engineer, S. T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Reinforced concrete, steel, capacity 2,500,000 bushels. Plans about completed.

Grain Elevator, Twentieth street and Pennsylvania avenue, Philadelphia, \$300,000. Const. engineer, S. T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Plans about completed.

Show Room and Garage, 4119 Germantown avenue, Philadelphia. Architect, J. Frank Clark, 23 South Sixteenth street, Philadelphia. Owners, Franklin Const. Co., 23 South Sixteenth street, Philadelphia. Brick, steel, 1 or 2 stories, 1300 square feet, gypsum roof, cement floors, steam heat, electric light, rolling steel sash. Preliminary plans in progress. Owners will build.

Undenominational Church, South side Allegheny, East of Seventeenth street, Philadelphia. Architect, H. G. Hammer, 1716 Spring Garden street, Philadelphia. Owners, Bera-chah Tabernacle, Rev. O. R. Palmer, 2244 North Twenty-ninth street. Stone, basement auditorium and balcony, 62x100 feet, slate roof, mastic floors, steam heat, electric light. Plans in progress. Architect will be ready for bids about March 1st.

Store, (4) Apartments, Northwest Corner Nineteenth and Green streets, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, Charles J. Minnick, Wynnewood, Pa. Brick, 3 stories, 36x32 feet, third story rear addition, hot water heat, electric light, slag roof, hardwood floors, tile work, plumbing. Plans about completed. Architect will be ready for bids in a few days.

Apartment House, 4035 Chestnut street, Philadelphia. Architects, Watson Engr. Co., Cleveland, Ohio. Owners, Apartment Homes, Inc., 518 Stock Exchange Building, Philadelphia. Brick, limestone, cut stone, steel, 5 stories and basement, 104x53 feet, Barrett's Specification roof, composition roof, oak and pine floors, elevators, steam heat, electric light, metal lath, tile and marble work, rolling steel sash, tin-clad and kalamein doors, architectural terra cotta, ornamental iron work. Owners will build.

Pair of Residences, Overbrook, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, McWilliams & Maloney, 539 South Fifty-second street, Philadelphia. Stone, brick, stucco, 2½ stories, 106x47 feet, slate roof, hardwood floors, central steam heat, electric light, metal lath, tile work, cement work, garages in basement. Owners ready for sub-bids.

Office Building and Stores, Southeast Corner Eighth and Chestnut streets, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owner, care of architect. Brick, stone, steel, 4 stories and basement, 22x92 feet, slag roof, pine and composition floors, safety treads, shoring, ornamental iron work, metal bulks, bond, store fixtures, fire and kalamein doors, hollow metal skylights, tile and marble work, metal lath, electric light, steam heat. Revised plans in progress.

Warehouse, Tenth and Erie avenue, Philadelphia. Architect, John Emlen Bullock, 34 South Seventeenth street, Philadelphia. Owner, name withheld. Brick and mill construction, 3 stories and basement, 65x107 feet, slag roof, wood and maple floors, (2) elevators, safety treads, waterproofing, floor hardener, bond, fire and kalamein doors, rolling steel sash, electric light (plumbing, heating and lighting reserved). Architect taking bids due as soon as possible.

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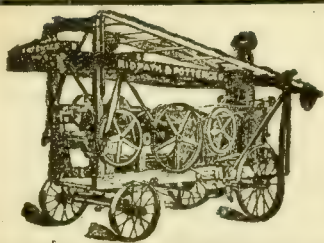
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Moving Picture Theatre (4700 block),
Frankford avenue, Philadelphia. Architects,
Hodgens & Hill, 130 South Fifteenth street,
Philadelphia. Owner, William Freihofner,
Land Title Building, Philadelphia. Rein-
forced concrete, cut stone, rubber stone, brick,
1 story and basement, 197x93 feet, asbestos
roof, cement floors, steam heat, metal lath,
tile and marble work, rolling steel sash, bond,
ornamental iron work, roof ventilators, shor-
ing, plumbing, Indiana limestone, ornamental
plaster, morene wall finish. Architects tak-
ing bids due February 3rd at noon.

Building (alts.), 26-28 South Sixteenth
street, Philadelphia. Architect, C. A. Zieg-
ler, 1309 Locust street, Philadelphia. Owner,
Harry T. Saunders, 31 South Eighteenth
street, Philadelphia. Cement floors, brick
work, cut stone work, marble work, iron work,
carpentry and mill work, pine floors, plaster-
ing, metal lath, slag and slate roof, painting,
plumbing, electric work, hot water heat. Ar-
chitect taking bids due February 4th.

Rectory (alts. and add.), Seventeenth and
Ritner streets, Philadelphia. Architects,
Hoffman-Henon, Finance Building, Philadel-
phia. Owners, St. Monica's Parish, Rev. J.
J. Walsh, on premises. Stone, brick, steel, 3
stories, 90x65 feet, wing 36x13 feet (plumb-
ing, heating and electric reserved), slag roof,
oak, rubber and linoleum floors, metal lath,
tile and marble work, bond, ornamental iron
work. Laundry equipment. Architects taking
bids due February 5th.

Residence Removal, about 125 feet back
from South side Allegheny, East of Seven-
teenth street, premises, Philadelphia. Archi-
tect, H. G. Hammer, 1716 Spring Garden
street, Philadelphia. Owners, Barachah Tab-
ernacle, Rev. O. R. Palmer, 2244 North Twen-
ty-ninth street. Architect taking bids due
January 30th.

Residence, Seventh and Cheltenham avenue,
Philadelphia. Architect, Conrad F. Neff,
Twelfth and Locust streets, Philadelphia.
Owner, H. E. Brooks, Huntingdon and Han-
cock streets, Philadelphia. Cinder concrete
block, stucco, 2½ stories, 27x55 feet, slate
roof, oak floors, hot water heat, electric
light, metal lath, tile and marble work, bond,
ornamental iron work, wrought iron pipe. Ar-
chitect taking bids due February 3rd.

Residence and Garage, Elkins Park, Phila-
delphia. Architect, private plans. Owner,
Kenneth C. Meinkin, Fox Building, Philadel-
phia. Stone, frame, stucco, 2½ stories, 28x38
feet, 1 story, 22x24 feet, slate roof, hard-
wood and cement floors, hot water heat, elec-
tric light, tile work. Owner taking bids and
sub-bids due February 1st.

Manse, South Pratt street, Bridesburg, Pa.
Architect, W. Ellis Groben, Lawnton and
Cheltenham avenue, Philadelphia. Owners, The
First Presbyterian Church of Bridesburg, Pa.
Architect taking bids due January 31st.

Supplies, Philadelphia. Owners, Board of
Education, William Dicks, Nineteenth above
Chestnut street, Philadelphia. Building equip-
ment, lighting, general repairs, etc., various
schools, supplies and equipment, lumber, ta-
bles, lockers, rugs, etc. Owners taking bids
due February 5th.

Supplies, Philadelphia Navy Yard. Own-
ers, Bureau of Supplies and Accounts, David
Potter, Navy Yard. Delivering Venetian red,
boiler compound, linseed oil, varnish, electric
wire. Owners taking bids due February 3rd,
10 A. M. Apply for proposal to Supply Of-
ficer, Navy Yard, or to Washington, D. C.

Residences (11), North side Sixty-seventh
avenue, East of Sixteenth street, \$50,000. Ar-
chitect, private plans. Owner, Fred G. Storch,
4940 North Broad street, Philadelphia. Brick,
(1) 2 stories, 16x44 feet, (10) 15x34 feet,
12x10 feet, slag roof, hardwood and pine
floors, hot water heat, electric light. Owner
will build.

Garage, Southeast Corner Thompson and
Newkirk streets, Philadelphia, \$10,000. Own-
er, A. Liebowitz, 4045 Baltimore avenue,
Philadelphia. Brick, 1 story, 50x100 feet, slag
roof, cement floors, electric lighting. Owner
will build.

Residence, 6410 Palmetto street, Philadel-
phia, \$5,000. Owner, Paul Ostheimer, 1005
Levick street, Philadelphia. Architect, pri-
vate plans. Frame, 2 stories, 30x35 feet,
shingle roof, pine and hardwood floors, hot
water heat, electric light. Owner will build.

Elevators and Appurtenant Work, Porter
Street Pier, 84 South Wharves. Architect,
private plans. Owners, Department of
Wharves, Docks and Ferries, 211 Chestnut
street, Pier No. 4, Philadelphia. Low bidders:
Otis Elevator Co., Otis Building, No. 1 truck,
\$38,575; No. 2 platform, 57,900; No. 3 pack-
age elevator no bid. Link-Belt Co., Hunting
Park avenue at Nicetown Station, No. 1
truck, no bid; No. 2 platform, no bid; No. 3
package elevator, \$42,720. Atlantic Elevator
Co., Pennsylvania Building, No. 1 truck, \$44,-
000; No. 2 platform, \$62,000; No. 3 pack-
age elevator, no bid.

Residence, North side Disston street, West
of Loretta avenue, \$5,000. Architect, private
plans. Owner, R. K. Satterfield, 2860 North
Mutter street, Philadelphia. Frame, 2 stories,
26x36 feet, shingle roof, hardwood and pine
floors, hot water heat, electric light. Owner
will build.

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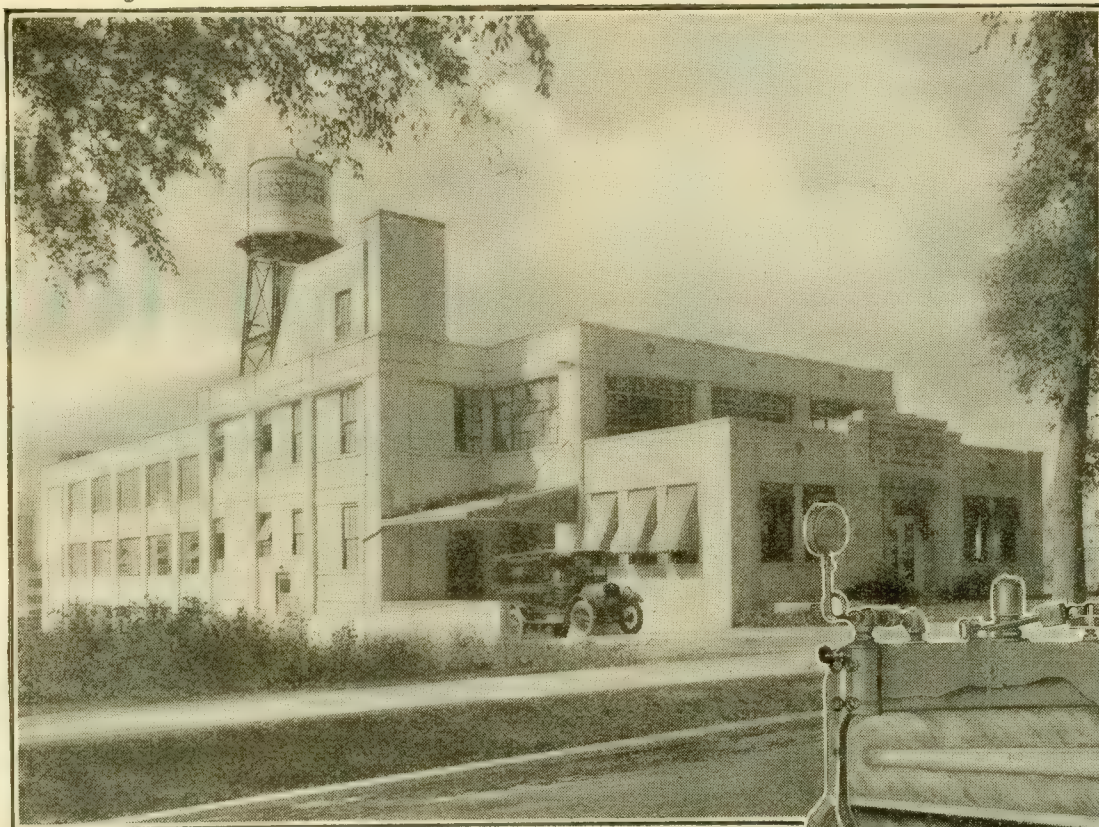
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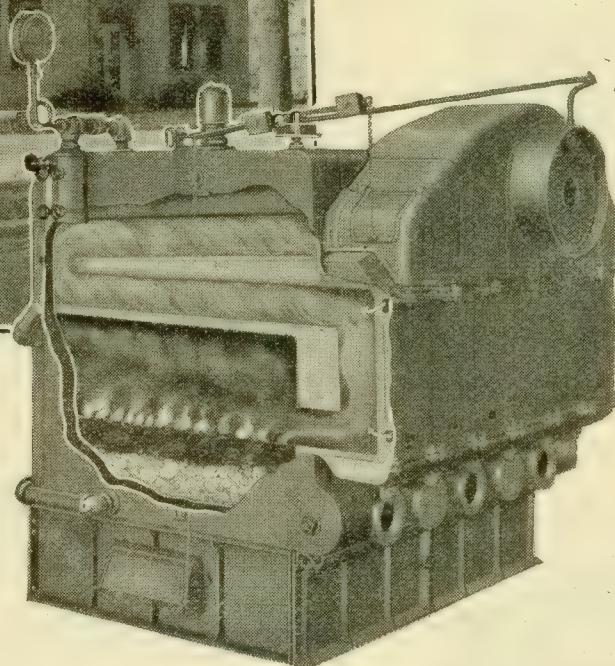




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McKeever, Heating Con-
tractor, 247 W. 13th St.,
N. Y. C.*

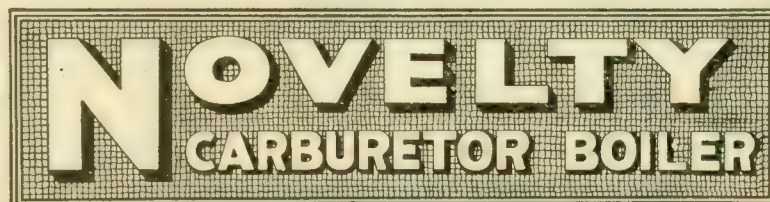


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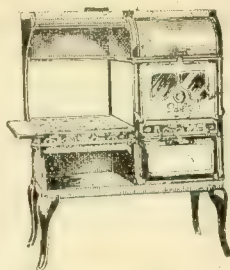
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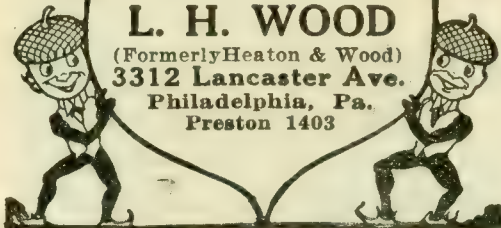
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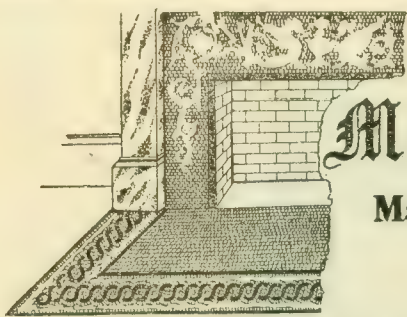
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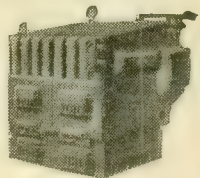
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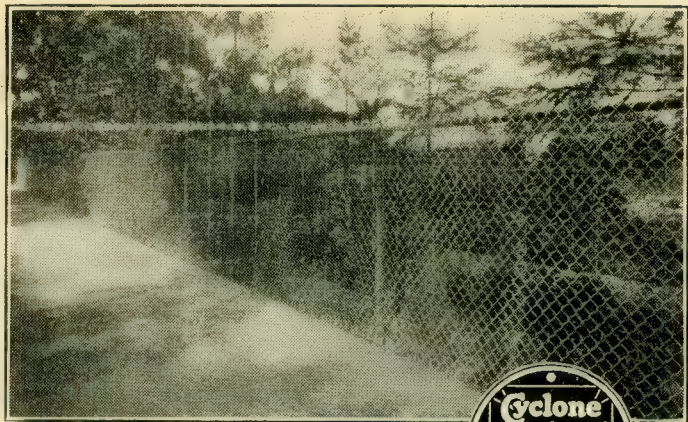
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Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Garage and Store, Northeast Corner Thirtieth and Dauphin streets, Philadelphia, \$9,200. Architect, private plans. Owner, Eli Tulchinsky, 2307 North Thirtieth street, Philadelphia. Brick, 1 story, 60x70 feet, slag roof, pine and cement floors. Contract awarded to M. Karsh, 2514 North Myrtlewood street, Philadelphia.

Residence (alts. to Chapel), 4811 Germantown avenue, Philadelphia. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owners, St. Michael's of the Saints, Rev. E. C. Nusco, on premises. Brick, steel (heating, plumbing, electric reserved), pine floors, carpentry and mill work, plastering, metal ceilings, bond, ornamental iron work, painting and glazing, hardware. Contract awarded J. Roman, 415 East Brighthurst street, Philadelphia.

Brew House and Mill House, Twenty-second and Clearfield streets, Philadelphia. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owner, Jacob Hornung, on premises. Reinforced concrete, brick, cut stone, 6 stories, 5 stories and basement, 99x58 feet, copper and asphalt roof, asphalt, oak and pine floors, hollow tile, roof ventilators, metal ceilings, dampproofing, architectural terra cotta, ornamental iron work, bond, fire and kalamein doors, hollow metal sash, rolling steel skylights, tile and marble work, metal lath, elevators, doors and vault doors, cork insulation, cold storage doors. Contract awarded George Kessler Cont. Co., 1733 North Marvine street, Philadelphia, \$175,000.

Warehouse, Market, West of Allison street, Philadelphia, \$70,000. Architect, George S. Kingsley, 1452 Broadway, New York City. Owners, Advance Storage Co., on premises. Reinforced concrete, steel, brick, 3 stories and basement, 125x38 feet, slag roof, cement floors, hollow tile, elevators, plumbing, steam heat, electric light, metal lath, marble and terrazzo work, wrought iron pipe, shoring, architectural terra cotta, rolling steel skylights, bond, ornamental iron work. Contract awarded Evans-Steele Co., 2217 Chestnut street, Philadelphia, but not yet signed.

Store and Warehouse (alts.), 2000 West Columbia avenue, Philadelphia. Architect, L. E. Binns, 5549 Germantown avenue, Philadelphia. Owners, People's Supply Co., D. J. Harron, on premises. Bond, concrete and cement work, carpentry, structural steel, John

Mansville built-up slagless roof, metal lath, tile work, plastering, hardware, painting, plumbing, electric work. Contract awarded Hugh Hazlett, 1701 North Twentieth street, Philadelphia.

Chapel (alts. and add.), Twenty-second and Green streets, Philadelphia, \$16,000. Architect, Paul A. Monaghan, 1713 Sansom street, Philadelphia. Owners, Chapel of Divine Love, on premises. Brick, cut stone, steel, 3 stories, 30x26 feet, bond, brick work, structural steel, cut stone work, iron work, carpentry and mill work, North Carolina pine and cork floors, rubber tile floors, metal lath, plastering, painting, hardware, marble work, slate and slag roof (allowance of \$600 for heating and electric work). Contract awarded Doyle & Co., 1519 Sansom street, Philadelphia.

Fire Repairs, 2514 North Broad street, Philadelphia. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owner, Jacob Kahn, on premises. Steam heat, electric light, slag roof, pine floors, rolling steel sash, carpentry and mill work, plastering, painting and glazing. Contract awarded J. L. Fawley, 1615 Spruce street, Philadelphia.

Garage, 1131-37 Wharton street, Philadelphia, \$10,000. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Frank Landolfi, 205 West Wyoming avenue, Philadelphia. Brick, 1 story, 93x64 feet, steel, brick work, metal lath, slag roof, cement floors, electric light. Contract awarded to P. Landolfi, 205 West Wyoming avenue, Philadelphia.

Weave Shed, Venango street and Kensington avenue, Philadelphia. Architect, Amos W. Barnes, Perry Building, Philadelphia. Owners, Craftex Co., on premises. Brick, steel, 1 story, 69x110 feet, slag roof, cement floors, electric light. Contract awarded Knox Landers, 1132 Vine street, Philadelphia.

Apartment (alts. and add.), 1829 Locust street, Philadelphia, \$10,000. Architect, A. Levy, 1208 Real Estate Trust Building, Philadelphia. Owners, Edelstein & Bernstein, agents, 215 South Fifteenth street, Philadelphia. Brick, 1 story, 20x4 feet, general alterations. Contract awarded to Isadore Mevin, 1809 South Fourth street, Philadelphia.

Garage (alts. and add.), rear 1911 Chestnut street, Philadelphia, \$8,000. Architect, private plans. Owner, J. Habisreiter, 1911 Chestnut street, Philadelphia. Brick, con-

crete, steel, 3 stories add., general alterations. Contract awarded but not signed, Evans-Steele, Inc., 2217 Chestnut street, Philadelphia.

Store (alts.), 6310-20 Woodland avenue, Philadelphia, \$10,000. Architect, private plans. Owners, S. S. Kresge Co., Detroit, Mich. Brick, steel (plumbing, heating and electric reserved), slag roof, pine floors, carpentry, mill work, plastering, painting, glazing. Contract awarded to Fred Elvidge & Son, 5522 Germantown avenue.

Residence (alts.), 2011 Walnut street, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, A. Theo. Abbotts, Esq., 2301 West Allegheny. Contract on micro-driven elevator awarded to Otis Elevator Co., Otis Building, Philadelphia, \$15,000.

Bank, Eighth and Christian streets, Philadelphia. Architect, A. F. Amodio, 2304 Atlantic avenue, Atlantic City, N. J. Owners, Roma Brothers, on premises. Brick, 2 stories, 50x67 feet. Contract awarded Frank Lucci, 1603 Ellsworth street, Philadelphia.

Cooling Tower, Thirty-first and Chestnut streets, Philadelphia. Architect, private plans. Owners, Abbott's Alderney Dairies, Thirty-first and Chestnut streets, Philadelphia. Steel, iron and cement work. Contract awarded H. E. Grau Co., 1707 Sansom street, Philadelphia.

Building (fire damages), Northwest Corner Tenth and Hamilton streets, Philadelphia. Architect, private plans. Owner, Russell C. Hughes, on premises. General restoration, electric light, carpentry and mill work, elevator. Contract awarded Lam Building Co., 1001 Wood street, Philadelphia.

Show Room (alts.), 810 North Broad street, Philadelphia. Owner, George Pocock, 2132 Market street, Philadelphia. Carpentry, plastering, painting, metal ceilings, interior alts. Contract awarded E. E. Hollenback, Inc., 1804 Brandywine street, Philadelphia.

Store and Residence (alts.), 830 North Tenth street, Philadelphia, \$2,900. Architect, Joseph Margolis, 1505 Race street, Philadelphia. Owner, Harry Berman, care of architect. General alterations to 3 story building, 17x60 feet, slag roof, hot water heat, electric light, plumbing, cement work, plate glass, carpentry, mill work. Contract awarded to L. Rubin, 421 Jackson street, Philadelphia.

East Germantown Playground, East Chelton and Ardleigh street, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Works, Bureau of Recreation, Philadelphia. Contract awarded J. E. Houseworth, 2512 North Twenty-seventh street, Philadelphia, \$7,797. Plumbing, J. Brugger, 2124 East Cumberland street, Philadelphia, \$1,398. Electric,



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J. F. Buchanan Co., 1904 Sansom street, Philadelphia, \$456. Francisville Playground, Francis and Shirley streets, Philadelphia, held up.

Manufacturing Building (add.), Southwest Corner Thompson and Huntingdon streets, Philadelphia, \$5,000. Architect, private plans. Owners, J. T. Lewis & Bro. Co., Lafayette Building, Philadelphia. Steel, 1 story add., 34x53 feet, 11x20 feet. Contract awarded to Turner Const. Co., 1713 Sansom street, Philadelphia.

Store and Residence (alts. and add.), 1440 Point Breeze avenue, \$4,500. Architect, private plans. Owner, Harry Goodman, on premises. Brick, 2 stories add., 12x16 feet, general alterations. Contract awarded to J. Satler, 1408 North Marshall street, Philadelphia.

Store and Storage (alts. and add.), Southeast Corner Sixteenth and South streets, \$4,000. Architect, private plans. Owner, L. S. Levin, on premises. Brick, 4 stories, 18x10 feet, third and fourth stories, 18x13 feet, and fourth story, 18x8 feet, general alterations. Contract awarded to Joseph Cichiny, 2231 Green street, Philadelphia.

Restaurant (alts.), 121 North Broad street, Philadelphia, \$4,500. Architect, private plans. Owner, J. Sweeton, 121 North Broad street, Philadelphia. General alterations. Contract awarded to John N. Gill Const. Co., 121 North Broad street.

Building (alts.), 5830 Germantown avenue, Philadelphia, \$3,000. Owner, Paul A. Rinck, 3617 North Broad street, Philadelphia. General alterations. Contract awarded to A. N. Tatro & Co., 2616 Robinson street, Philadelphia.

Manufacturing Building (add.), East side G street, North of Venango, \$16,000. Architect, private plans. Owners, Franklin Worsted Co., on premises. Brick, 2 stories, 34x64 feet, slag roof, electric work, pine floors. Contract awarded to H. Brocklehurst, 512 West Norris street, Philadelphia.

Garage, 19-25 West Rittenhouse street, Philadelphia, \$30,000. Architect, private plans. Owner, Mary Rosenthal, 4441 North Ninth street, Philadelphia. Brick, slag roof, cement floors, electric light. Contract awarded to N. Rosenthal, 1501 Walnut street, Philadelphia.

Apartment House, 6246 Market street, Philadelphia, \$18,000. Architect, private plans. Owner, Bluma Levin, care of builders. Brick, 3 stories, 25x42 feet, 17x32 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Levin Brothers, Commonwealth Building, Philadelphia.

Store, Southeast Corner Spring Garden and Orianna streets, Philadelphia, \$8,000. Architect, private plans. Owner, A. Leibovitz, 4045 Baltimore avenue, Philadelphia. Brick, 1 story, 20x70 feet, slag roof, pine floors, electric light. Owner will build.

Apartment (alts. and add.), 1607 Summer street, Philadelphia, \$3,500. Architect, private plans. Owner, Edward Bowden, 1935 Chestnut street, Philadelphia. Brick, 1 story, 12x10 feet add., general alterations. Contract awarded to Bowden Const. Co., 1935 Chestnut street, Philadelphia.

Store, 5308 Greene street, Germantown, Philadelphia, \$2,800. Architect, private plans. Owner, John McConnell, on premises. Brick, 1 story, 12x52 feet, slag roof, pine floors. Contract awarded to Frank Buck, Jr., 26 Erdenheim road, Philadelphia.

Store and Residence (alts.), 721 South street, Philadelphia, \$2,000. Architect, private plans. Owner, M. Left, on premises. General alterations. Contract awarded to H. Harad, 4932 C street, Philadelphia.

Building (alts. and add.), 2757 Germantown avenue, \$5,000. Architect, private plans. Owner, F. Winepol, Jr., 2758 Germantown avenue, Philadelphia. Brick, 2 stories, 16x12 feet, 1 story, 3x27 feet, general alterations. Contract awarded to T. Wilkinson, 3639 North Ninth street, Philadelphia.

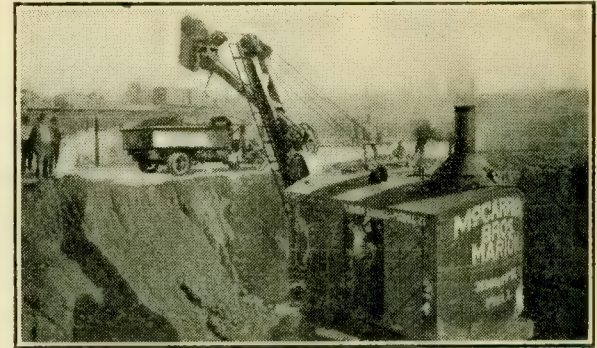
Residence and Store (alts.), 2108 Walnut street, Philadelphia, \$2,500. Architect, private plans. Owner, George W. Biber, on premises. General alterations. Contract awarded to Warrington Const. Co., Liberty Building, Philadelphia.

Garage, 1311 Jefferson street, Philadelphia, \$2,350. Architect, private plans. Owner, Lydia G. Yarnall, on premises. Brick, 1 story, 26x16 feet 8 inches, slag roof, cement floors. Contract awarded to D. K. Hildebritel, 3840 North Fifteenth street, Philadelphia.

Building (alts.), 1707-09 Vine street, Philadelphia, \$2,000. Architect, private plans. Owner, James T. Finessy, Twenty-sixth and Parrish streets, Philadelphia. General alterations. Contract awarded to Henry C. Dahl, 231 South Eighth street, Philadelphia.

Church (alts.), Northeast Corner Holly and Aspen streets, Philadelphia, \$2,590. Architect, private plans. Owners, John Wesley Methodist Episcopal Church, on premises. General fire repairs. Contract awarded to Warren E. Biscoe, 3946 Baring street, Philadelphia.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Highways, City Hall. Contracts awarded: Grading, Clearfield, from Cliveden to Johnson street, Roy B. Wenner, 2313 Walnut street, Philadelphia, \$1,285.48. Asphalt paving,



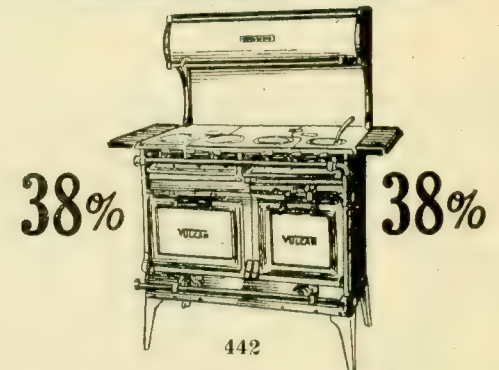
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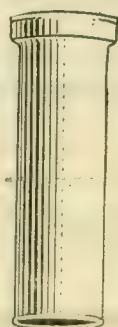
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Buckius street, from James to Tacony, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$2,719.50. Colorado street, from Pollock to Pennsylvania Railroad; Pollock, from Sixteenth to Seventeenth; Seventeenth street, from Pollock to Pennsylvania Railroad, and Eighteenth street, from Moyamensing avenue to Pennsylvania Railroad, Barber Asphalt Co., Thirtieth and Race streets, Philadelphia, \$29,83.41. Gray's avenue, from Seventieth to Seventy-first streets, and Seventieth street, from Elmwood to Gray's avenue, Barber Asphalt Co., Thirtieth and Race streets, Philadelphia, \$17,599.07. Haworth street, from Cottage to Valley; Haworth, from Torresdale to Edmund, and Pratt, from Torresdale avenue to Worth street, Mack Paving Co., Nicetown lane and "C" street, \$13,097.18. Hope, from Clearfield to Lippincott Barber Asphalt Co., Thirtieth and Race streets, Philadelphia, \$1,676.35. Magnolia, from Cliveden to Upsal street, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$5,124.80. McMahon, from Walnut lane to Tulpehocken street,

Union Paving Co., Thirtieth and Locust streets, \$4,187.80. Twenty-first street, from Sixty-fifth avenue to Stenton avenue, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$3,447.82. Improving road, Springfield, from Navahoe to Germantown, Allen J. Hendersl, 1311 Medary avenue, Philadelphia, \$1,576.80. Asphalt repaving, Wharton, from Twenty-third to Twenty-eighth, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$24,985.20. Eighteenth street, from Erie to Butler street, Barber Asphalt Co., Thirtieth and Race streets, Philadelphia, \$4,650.01. Redress granite block, Frankford, from Girard to Belgrade, C. G. Centrone, 6339 Race street, Philadelphia, \$9,492.63. Indiana, from Sixteenth to Seventeenth street, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$6,425.50. Spruce (track area), from Fifty-fourth to Fifty-seventh street, C. B. Centrone, 6339 Race street, Philadelphia, \$18,186.60. Twenty-second street, from Erie to Tioga street, C. G. Centrone, 6339 Race street, Philadelphia, \$25,198.35.

Coal Township School Board, Oneida street, Shamokin, Pa. Brick, steel, 2 stories, 83x142 feet, slag roof, pine floors, roof ventilators, cut stone, iron stairs, tile and marble work, metal lath (heating, electric and plumbing separate). Owners taking bids due February 18th.

Gym Building, Westtown, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owners, Westtown School, D. Stanton, Westtown, Pa. Plans in progress.

Parochial School, Lawndale, Pa. Architect, P. A. Monaghan, 1713 Sansom street, Philadelphia. Owners, St. Helena's Church, Rev. J. F. McCloy, 6451 North Fairhill street, Philadelphia. Brick, stone, steel, 3 stories. Plans in progress.

Jewish Community Center, Chester, Pa. Architect, not selected. Owners, care of Jewish Community Center, Rabbi H. Cohen, Chester, Pa. Site not selected. Work contemplated.

Ninth Street Bridge over Chester River, Chester, Pa. **Fox Bridge**, Moylan, Pa. Consulting engineer, S. C. Hollister, Swarthmore, Pa. Owners, Chester County, Chester, Pa. Reinforced concrete, steel. Work contemplated. Plans about to be started.

Store and Apartments (2), West County Line, Ardmore, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, Joseph Baranzio, Eagle road, Ardmore Pa. Building block, brick, steel, 2 stories, 18x60 feet, slag roof, hardwood and maple floors, hot water heat, electric light, tile work, metal ceilings, metal bulks. Plans in progress.

Store Building, County Line road and Lorraine avenue, Ardmore, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, Casimire Ramond, Ardmore, Pa. Brick, building block, steel, 1 story, 22x60 feet hot water heat, electric light, slag roof, maple and cement floors, metal ceiling, metal bulks. Plans in progress.

Department Store (alts. and add.), West Lancaster avenue, Ardmore, Pa. Architect, John Charles Norton, Ardmore, Pa. Owners, Spritzler Department Store, on premises. New front, hardwood floors, tile and marble work, metal ceilings and transoms, metal bulks, electric lighting and fixtures. Plans in progress.

Single and Double Residence, Ardmore, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, Henry J. Norton, Ardmore, Pa. Building block, stucco, 2½ stories, 18x41 feet each, hot water heat, electric light, tile work, shingle roof, hardwood floors, tile porches. Plans in progress.

Residence (alts. and add.), 345 North Sixty-fourth street, Philadelphia. Architect, John Charles Norton, Ardmore, Pa. Owner, John Rymore, on premises. Underpinning, rear addition, brick, 2 stories, 16x14 feet 6 inches, hot water heat, electric light, slag roof, hardwood floors, metal bulks. Plans in progress.

Residences (3 pairs), Beechwood, Pa. Architect, John Charles Norton, Ardmore, Pa.

PENNSYLVANIA Construction News

Building, No. 7 (equipment), Front and Market streets, Chester, Pa. Engineers, Moore & White, Fifteenth and Lehigh avenue, Philadelphia. Owners, Scott Paper Co., Chester, Pa. Complete new equipment, new concrete foundations, new roof. Engineers will build.

Parochial School, Cheltenham, Pa. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owners, Presentation of Blessed Virgin Mary, Rev. J. J. Moran, Cheltenham, Pa. Architect taking bids due February 6th, 2 P. M.

Club House (alts. and add.), Flourtown, Pa. Architect, private plans. Owners, Philadelphia Country Cricket Club, care of Mr. Colahan, 1421 Chestnut street, Philadelphia. Tile and marble work, carpentry and mill work, plastering, stone work, tin roof, electric work. Owners taking bids due February 6th.

Farm and Dairy Building, Doylestown, Pa. Architects, Andrew J. Sauer Co., Denckla Building, Philadelphia. Owners, National Farm School, Doylestown, Pa. Architect taking bids due February 6th.

Parochial School, Narberth, Pa. Architects, Stackhouse & Donohue, 1120 Locust street, Philadelphia. Owners, St. Margaret's, Rev. R. F. Cowley, on premises. Stone, brick, 3 stories. Plans in progress.

Buildings, Front and Market streets, Chester, Pa. Owners, Scott Paper Co., Chester, Pa. Site purchased. Will build in 1927 or 1928.

Parochial School (add.), Honesdale, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, care of architects. Brick, 2 stories and basement, 60x85 feet, slag roof, pine floors, steam heat, electric light. Plans in progress.

School, Harvey's Lake, Pa. Architects, Cook & Lacey, Miners' Bank Building, Wilkes-Barre, Pa. Owners, School District of Lake Township, G. C. Armitage, Luzerne, Pa. Concrete block, 1 story, 58x108 feet, pine floors, electric work (heating, electric and plumbing separate). Revised plans in progress.

Warehouse, Wilkes-Barre, Pa. Architects, Mack & Sahm, Coal Exchange Building, Wilkes-Barre, Pa. Owners, People's Outfitting Co., 103 South Main street, Wilkes-Barre, Pa. Brick, fireproof, 6 stories, 200x80 feet, slag roof, concrete floors, elevators, roof ventilators, waterproofing and dampproofing, iron stairs, fire doors, rolled steel sash, electric light. Revised plans in progress.

School, Coal Township, Northumberland County, Pa. Architect, Austin Reilly, Bennett Building, Wilkes-Barre, Pa. Owners,

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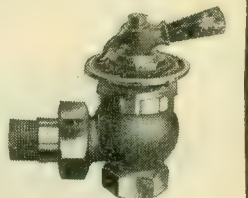
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Owner, Joseph Baronisky, Beechwood Drive, Beechwood, Pa. Building block, stucco, 2½ stories, 20x30 feet each, shingle roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Factory, Chambersburg, Pa., \$300,000. Engineers, Building Department of H. J. Heinz Co., Pittsburgh, Pa. Owners, H. J. Heinz, 1062 Progress street, Pittsburgh, Pa. Brick and concrete, 1 and 2 stories. Plans in progress.

Sewage System and Disposal Plant, Quakertown, Pa. Consulting engineers, Remington & Vosbury, 509 Cooper street, Camden, N. J. Owners, Borough of Quakertown, A. Smith, Burgess, Quakertown, Pa. Reinforced concrete tanks, piping, sewers. Plans about completed. Owners will take bids.

Jeffrey School, Melrose avenue, Chester, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Board of Education, G. S. Mitchell, Chester, Pa. Brick, 2 stories and basement, 67x212 feet. Plans about completed. Owners will take bids soon.

Mill Buildings (2), Lansdale, Pa. Architects, William Steele & Son, 219 North Broad street, Philadelphia. Owners, Norristown Hosiery Co., Norristown, Pa. Architect selected.

Residence (2 pairs), Ardmore Park, Pa. Architect, John Charles Norton, Ardmore, Pa. Owners, Doyle Brothers, Lancaster avenue, Bryn Mawr, Pa. Penn building block, 2½ stories, 18x40 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work, tile porches. Owners ready for sub-bids.

Residence (2 pairs), Brookline, Pa. Architect, John Charles Norton, Ardmore, Pa. Owners, Doyle Brothers, Lancaster avenue, Bryn Mawr, Pa. Penn building block, 2½ stories, 18x40 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work, tile porches. Owners ready for sub-bids.

Residence, Pair No. 22, Ardmore Park, Pa. Architect, John Charles Norton, Ardmore, Pa. Owners, Doyle Brothers, Lancaster avenue, Bryn Mawr, Pa. Penn building block, 2½ stories, 18x40 feet, hot water heat, electric light, tile work, shingle roof, hardwood floors, tile porches. Owners ready for sub-bids.

Residence (add.), Meeting House lane, Narberth, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, Samuel Richter, on premises. Second floor addition, heating and lighting extensions, slag and canvas roof, hardwood floors. Owner ready for sub-bids.

Double Residence, Lorraine avenue and County Line, Ardmore, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, C. R. Di Felice, on premises. Penn building block, stucco, 3 stories, 18x41 feet each, hot water heat, electric light, shingle roof, hardwood floors, tile rock work, porch enclosures. Plans about completed. Owner ready for sub-bids at once.

Residence, Cynwyd, Pa. Architect, John Charles Norton, Ardmore, Pa. Owners, Charles Loud & Son, Cynwyd, Pa. Stone and frame, 2½ stories, 26x38 feet, shingle roof, hardwood floors, copper spoutings, hot water heat, electric light, tile work. Plans completed. Architect ready for general bids.

Parochial School and Gymnasium, Scranton, Pa. Architects, Morris & McHale, Mears Building, Scranton, Pa. Owners, Holy Rosary Cong., Rev. J. Moy, 316 William street, Scranton, Pa. Brick, 3 stories and basement, 86x125 feet, composition roof, ventilators, wa-pine floors, hollow tile, roof ventilators, waterproofing and dampproofing, iron stairs, tile work, electric light, steam heat. Architects taking bids due January 30th.

Residence, Springfield, Pa. Architect, G. McMurtrie, 1012 Walnut street, Philadelphia. Owner, Dr. C. R. Marshall, care of architect. Brick, 2 stories, 32x36 feet, slate roof, hardwood floors, steam heat, electric

light, tile work. Architect taking bids due January 29th.

Department Store, Sixth and Hamilton streets, Allentown, Pa. Architect, J. T. Brugger, 505 Chestnut street, Philadelphia. Mechanical engineers, Carson & Carson, 22 South Fifteenth street, Philadelphia. Owners, Zolinger & Harned Co., 611 Hamilton street, Allentown, Pa. Brick, steel and early concrete, 4 stories, 86x230 feet, slag roof, composition floors, hollow tile, elevators, steam heat, electric light, metal lath, tile and marble work, rolling steel sash, revolving doors, store fixtures, bronze buks, steel stairs, iron work. Plans in progress. Will be ready for bids February 16th.

Store and Apartment (alts. and add.), Scranton, Pa. Architect, J. H. Davey, Coal Exchange Building, Scranton, Pa. Owner, Joseph Gentile, care of architect. Brick, second story add., 42x43 feet, slag roof, pine floors, tile work, electric light, general interior alterations. Architect taking bids due as soon as possible.

Club, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Sons of Veterans, 144 North Eighth street, Allentown, Pa. Brick, stone, 5 stories and basement, 70x160 feet, built-up roof, hardwood floors, fan and steam heat, electric light, tile work, hollow tile, metal lath, elevators, roof ventilators, fireproof slate and wood stairs, ornamental iron work. Architects will be ready for bids in ten days.

High School, Taylor, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Taylor School Board, William Thomas, secretary, Taylor, Pa. Semi-fireproof, 2 stories and basement, 150x123 feet, slag roof, maple floors, hollow tile, safety treads, roof ventilators, waterproofing and damp-proofing, cut stone (heating, electric and plumbing separate), metal lath, tile work, rolled steel sash, iron stairs. Owners ready for bids.

Residences (3) (double and single), Louella Court, Wayne, Pa. Architect, private plans. Owner, J. D. Legnel, Wayne, Pa. Cement block, stucco, (2) stories, 16x40 feet each, (1) 2½ stories, 32x26 feet, shingle roof, pine floors, steam heat, electric light. Owner building.

Grade School, Vera Cruse, Upper Milford Township, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Upper Milford Township School Board, Andrew Heller, secretary, Emaus, Pa.

Brick, 2 stories, 40x90 feet, built-up roof, composition floors, steam heat, electric light. Plans in progress.

Store, Scranton, Pa. Architects, E. H. Davis and George M. D. Lewis, Union Bank Building, Scranton, Pa. Owners, Scranton Dry Goods Co., Lackawanna and Wyoming avenues, Scranton, Pa. Fireproof, 8 stories, 57x137 feet, slag or tile roof, composition roof, hollow tile, (2) elevators, roof ventilators, waterproofing and dampproofing, ornamental iron work, iron stairs, fire doors, steel sash, tile and marble work, metal lath (heating, electric and plumbing reserved). Plans in progress. Architect will take bids in one week.

High School (alts. and add.), Montrose, Pa. Architects, E. H. Davis and George M. D. Lewis, Union Bank Building, Scranton. Owners, Montrose School Board, A. J. Wheaton, secretary, Montrose, Pa. Brick, reinforced concrete, steel, limestone, 2 stories and basement, 115x37 feet, slag roof, composition floors, metal window guards, metal doors, partition work, tile and marble work, metal lath (heating, plumbing, electric work and clock system separate). Architects about ready for bids.

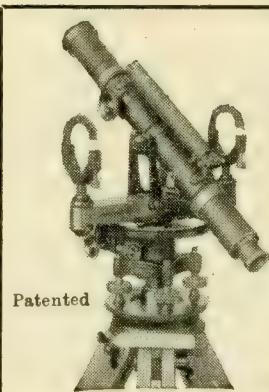
Factory, Lancaster, Pa. Architect, H. Y. Schaub, 20½ North Queen street, Lancaster, Pa. Owner, W. W. Kaeffer, care of architect. Concrete block or brick, 1 story and basement, 40x160 feet, slag roof, concrete floors, roof ventilators, fire doors, rolled steel sash, vapor heat, electric light. Architect taking bids.

Residences (20), Union avenue, Lansdowne, Pa. Architect, private plans. Owner, Joseph McGlory, 2074 North Sixty-second street, Philadelphia. Brick, stucco, 2 stories, 16x45 feet 6 inches, slag roof, hardwood floors, hot water heat, electric light, tile baths. Owner will build and is taking sub-bids due as soon as possible.

Residence and Garage, Lot 14, Duell Tract, Meadowbrook, Pa. Architect, Carl A. Ziegler, 1309 Locust street, Philadelphia. Owner, name withheld. Brick, stucco, frame, 2½ and 1½ stories, 41x28 feet, garage, 21x18 feet, shingle roof, oak and pine, cement floors. Architect taking bids due February 4th.

Factory Building, Quakertown, Pa. Architect, not yet selected. Owners, Krupp Foundry Co., William Brecht, Lansdale, Pa. Brick, steel, 1 story. Work contemplated.

Plant and Sewage System, townships on outskirts of Scranton, Pa. Architect, Oliver Star, Otis Building, Philadelphia. Owner,



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care of architect. Miscellaneous buildings, sewers, inlets, laterals, etc., approximately \$1,500,000. Plans in progress. Will be ready for bids in April.

Road Work, Pennsylvania. Owners, State Highway Department, Harrisburg, Pa. Owners taking bids February 6th at 10 A. M.

Bedford County, R-47, King and Kimmel Townships, 32,203 feet. One course reinforced concrete. Certified check, \$4,000.

Blair-Centre Counties, R-245, Snyder, Taylor and Worth Townships, 46,214 feet. One course reinforced concrete. Certified check, \$4,000.

Centre County, R-107, Boggs, Union, Huston and Worth Townships, Unionville Borough, 83,502 feet. One course reinforced concrete. Certified check, \$4,000.

Carbon County, R-164, Towamensing Township, 21,916 feet. One course reinforced concrete. Certified check, \$4,000.

Erie County, R-85, A-3066, 3067, Conneaut Township and Albion Borough, 15,134 feet. Either bituminous surface course on concrete foundation or one course reinforced concrete. Certified check, \$2,500.

Indiana County, A-1041, West Wheatfield Township, 12,029 feet. One course reinforced concrete. Certified check, \$2,000.

McKean County, R-100, A-3236, Otto and Foster Townships, 18,843 feet. Grading and drainage. Certified check, \$2,500.

Northumberland County, R-161, Mt. Carmel Borough, 4,026 feet. One course reinforced concrete. Certified check, \$1,500.

Schuylkill County, R-199, Porter, Frailey and Tremont Townships, Tower City Borough, 54,265 feet. One course reinforced concrete. Certified check, \$4,000.

Warren County, R-88, Columbus and Freehold Townships, 40,287 feet. Either bituminous surface course on concrete foundation or one course reinforced concrete. Certified check, \$4,000.

Westmoreland County, R-181, A-3004, South Huntingdon Township, 18,303 feet. One course reinforced concrete. Certified check, \$2,500.

Owners taking bids on following due February 7th at 10 A. M.:

Centre County, R-27, Centre Hall Borough, Potter and Spring Townships, 11,378 feet. One course reinforced concrete. Certified check, \$2,000.

Clarion County, R-92, Washington Township, 44,046 feet. One course reinforced concrete. Certified check, \$4,000.

Clearfield County, R-62, Section A, Bell and Greenwood Townships, 32,133 feet. One course reinforced concrete. Certified check, \$4,000.

Fayette County, R-112, Luzerne and Redstone Townships, 11,239 feet. One course reinforced concrete. Certified check, \$2,000.

Indiana County, R-63, East and North Mahoning Townships, 41,781 feet. One course reinforced concrete. Certified check, \$4,000.

Luzerne County, R-184, Nescopeck Township and Borough, 20,928 feet. One course reinforced concrete. Certified check, \$3,500.

McKean County, R-211, A-2899, 3223, Eldred and Otto Townships, 26,700 feet. Either bituminous surface course on concrete foundation or one course reinforced concrete. Certified check, \$4,000.

Monroe County, R-164, Polk, Chestnut Hill and Hamilton Townships, 59,418 feet. Either bituminous surface course on concrete foundation or one course reinforced concrete. Certified check, \$4,000.

Susquehanna County, R-14, Rush and Jessup Townships, 48,671 feet. One course reinforced concrete. Certified check, \$4,000.

Warren-McKean Counties, R-95, Sheffield Township and Hamilton Township, 40,500 feet. Either bituminous surface course on concrete foundation or one course reinforced concrete. Certified check, \$4,000.

Washington County, R-115, Canton and

Chartiers Townships, 10,260 feet. One course reinforced concrete. Certified check, \$1,500.

Pennsylvania Contracts Awarded

Museum and Art Gallery, Reading, Pa., \$330,500. Architect, Alex. Smith, Berks County Bank Building, Reading, Pa. Owners, Reading School Board, George Beggs, Eighth and Washington streets, Reading, Pa. Steel, brick or stone, 2 stories, 300x62 feet, skylight roof, composition floors, freight elevators, safety treads, hollow tile, terra cotta, ornamental iron work, iron stairs, cut stone, metal lath. Contract awarded to I. F. Impink, 112 North Eleventh street, Reading, Pa. Plumbing awarded to W. A. Heckman & Sons, 16 North Eighth street, Reading, Pa., \$8,550.

Stores (9), Apartments (9), Office and Apartments (9), Drexel Hill, Pa. Architects, MacKenzie & Wiley, Bankers' Trust Building, Philadelphia. Owners, Drexel Hill Realty Co., care of architect. Stone, brick, reinforced concrete, 2 stories and basement, 194x42 feet, tile and slag roof, pine and composition floors, painting and glazing (heating and plumbing reserved), electric light, metal lath, tile and marble work, bond, limestone. Contract awarded Bowden Const. Co., 1935 Chestnut street, Philadelphia.

Store (alts. and add.), South Main street, Wilkes-Barre, Pa. Architects, Knapp & Bosworth, 15 South Franklin street, Wilkes-Barre. Owners, Zeizzer Brothers, Rochester, N. Y. Steel, brick, 1 story and basement, 115x89 feet, composition roof, maple floors, hollow tile, freight elevators, kalamein doors, rolled steel sash, tile and marble work, metal lath, vapor heat, electric light. Contract awarded to Benj. Sobel, Rochester, N. Y.

Building (add.) and Office Building, Wilkes-Barre, Pa. Architects, Mack & Sahn, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Sanitary Cleaning & Dyeing Co., 66 South Washington street, Wilkes-Barre, Pa. Steel, brick, 2 stories add., 36x175 feet, office building, 3 stories, 36x80 feet, built-up roof, concrete floors, roof ventilators, iron stairs. Contract awarded to John E. James, Laning Building, Wilkes-Barre.

Residence, Haverford, Pa. Architects, McIlvaine & Roberts, Otis Building, Philadelphia. Owner, Mrs. Samuel Bettle, care of architect. Stone, 2½ stories, 114x30 feet, wing 75x20 feet, shingle roof, oak and pine floors, electric light, hot water heat, iron work, tile work. Contract awarded H. G. Campion, Otis Building, Philadelphia.

School, Forty Fort, Pa., \$35,000. Architect, William B. Ittner, St. Louis, Mo. Owners, Wilkes-Barre Institute, Dr. H. B. Gibby, 96 South Franklin street, Wilkes-Barre, Pa. Brick and stone, 2 stories. Contract awarded to Murch Brothers, St. Louis, Mo.

Ice House, Office and Boiler Room, Wayne, Pa. Architect, Van Rensselaer H. Greene, 35 Warren street, New York City. Owners, Bryn Mawr Ice Co., J. Florey, Lindsay avenue, Bryn Mawr, Pa. Brick, 55x85x18 feet high, built-up roof, cement floors. Contract awarded J. D. Lengel, Wayne, Pa.

Bank, Old Forge, Pa. Architect, J. A. Barrett, Bowman Building, Scranton, Pa. Owners, Miners' and Merchants' Bank, Mr. Lillinan, Old Forge, Pa. Stone, brick, 1 story, 50x60 feet, slag roof, ruber tile floors, hollow tile (heating, plumbing and electric reserved). Contract awarded to John Lynch, 115 South Main street, Old Forge, Pa.

Farm House (alts. and add.), Edge Hill road, Rydal, Pa. Architect, C. A. Ziegler, 1309 Locust street, Philadelphia. Owner, Leslie J. Hall, Rydal, Pa. General alterations and additions. Contract awarded E. Allen Reeves, Abington, Pa.

New Jersey Construction News

County Jail (alts. and add.), May's Landing, N. J. Architect, J. H. Vaughn, Guarantee Trust Building, Atlantic City. Owners, Atlantic County Freeholders, Guarantee Trust Building, Atlantic City, N. J. Stone, 2 tiers, general alterations. Sketches in progress.

Residence, Margate Park, N. J. Architect, C. H. Adams, Chelsea Bank Building, Atlantic City. Owner, Captain Cranston, 110 Lincoln avenue, Atlantic City. Cinder block, 2½ stories, 22x36 feet, asphalt shingle roof, pine floors, hot water heat, electric light, tile work. Revised plans in progress.

Apartment, Atlantic City, N. J. Architect, J. V. Mathis, Guarantee Trust Building, Atlantic City. Owner, Miller A. Cuskaden, 3604 Atlantic avenue, Atlantic City. Brick, steel, 5 stories, 50x85 feet, slag roof, hardwood floors, elevators, terra cotta, ornamental iron work, iron stairs, limestone, tile and marble work, metal lath, hot water heat, electric light. Architect ready for bids.

Residence and Garage, Ocean City, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owner, Charles B. Russell, 728 Asbury street, Ocean City, N. J. Hollow tile, brick and stucco, 2½ stories, 26x42 feet, and 1 story, 18x20 feet, Spanish tile and slag roof, hardwood and concrete floors, hot water heat, electric light, tile work. Owner ready for bids.

Sewage Disposal and Sewers, Glassboro, N. J. Engineer, W. H. Boardman, 426 Walnut street, Philadelphia. Owners, Borough of Glassboro, N. J., F. N. Stuart, Borough Clerk. Concrete. Plans in progress.

Residence, Merchantville, N. J. Architect, L. E. Binns, 5549 Germantown avenue, Philadelphia. Owner, Edmund Rosenthal, 3151 North Palethorp street, Philadelphia. Hollow tile, stucco, 2½ stories, 24x40 feet, hot water heat, electric light, asphalt flexible shingle roof, hardwood floors. Plans completed. Owner ready for general bids.

Factory, Trenton, N. J. Architects, George Tomlinson & Son, 1713 Sansom street, Philadelphia. Owner, name withheld. Asbestos corrugated iron and steel, 1 story, 80x200 feet, corrugated iron roof, cement floors, steam heat, electric light, metal lath, kalamein doors, floor hardener. Plans near completion. Engineers ready for sub-bids.

Church and Parsonage, West Collingswood, N. J. Architects, Lackey & Hettle, 5 Hudson avenue, Camden, N. J. Owners, West Collingswood Methodist Episcopal Church, W. W. Rehn, West Collingswood, N. J. Stone, cinder block, steel, 1 story and basement, 41x89 feet, wing 55x41 feet, slate roof, cement and maple floors plumbing, waterproofing and damp-proofing, ornamental iron work, bond, tin covered doors, metal lath, tile and marble work, electric light, composition stone, bluestone, Venzrie Block system. Architects taking revised bids due as soon as possible.

High School, Freehold, Monmouth County, N. J. Architect, Alex. Merchant, New Brunswick, N. J. Associate architect, Fred Eldassu, Newark, N. J. Owners, Board of Education of Freehold, A. J. Caboy, Freehold, N. J. Brick, concrete, cut stone, steel, 3 stories and basement, 145x65 feet, wing 53x93 feet, wing 53x93 feet, slag roof, mastic, cement and maple floors, metal lath, marble and terrazzo work, bond, ornamental iron work, metal weather strip, waterproofing, bluestone (heating, plumbing, electric separate). Owners taking bids due February 4th at 2 P. M.

Church, Ventnor, N. J. Architect, Robert J. Reilly, 50 West Forty-first street, New York City. Owners, Church of St. James by the Sea, Rev. P. J. Petri, Ventnor, N. J. Brick, cut stone, steel, stone, 1 story and basement, balcony, 115x63 feet, slate roof,

slag roof, cement, maple floors, steam heat, electric light, metal lath, tile and marble work, plumbing, waterproofing, ornamental iron work, ornamental plaster, bluestone, cast iron pipe. Owners taking revised bids due February 2nd.

Residence, Margate Park, N. J. Architect, C. H. Adams, Chelsea Bank Building, Atlantic City. Owner, Mrs. H. A. Moy, care of architect. Hollow tile and stucco, 2 stories, 20x30, 12x12 feet, tile roof, pine floors, hot water heat, electric light, tile work. Architect taking bids due February 2nd.

Warehouse and Lumber Shed, 233 South Church street, Moorestown, N. J. Architect, private plans. Owner, James W. Hartshorne, 230 South Church street, Moorestown, N. J. Brick and lumber, 2 stories, 40x100 feet, asbestos roof, concrete floors, electric lighting. Owner will build.

Residences (2), 822-24 Beideman avenue, Camden, N. J., \$7,000. Architect, private plans. Owner, D. M. Sterner, Woodbury, N. J. Frame, 2 stories, 14 feet 3 inches x 44 feet 6 inches slag roof, hardwood and pine floors, warm air heat, electric light. Owner will build.

Residences, Fischer Place, Trenton, N. J., \$12,000. Owner, J. M. Thompson, State and Clinton streets, Trenton, N. J. Frame, 2½ stories, 52x42 feet, slate roof, hardwood floors, electric light. Owner will build.

Recorder's Court (alts.), Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, City Commissioners, City Hall, Atlantic City, N. J. Low bidder: Lam Building Co., 1001 Wood street, Philadelphia.

Public Building, Mt. Holly, N. J. Architects, E. A. Wightman and W. G. LeConey, Bankers' Trust Building and Moorestown, N. J. Owners, Board of Chosen Freeholders, Burlington, N. J. Architects taking bids for County Clerk's and Surrogate's Office, due January 30th.

New Jersey Contracts Awarded

Assembly Hall, Atlantic City, N. J. Architects, Carrere & Hastings, 52 Vanderbilt avenue, New York City. Owner, Hotel Chelsea, Atlantic City, N. J. Brick, reinforced concrete, steel, cut stone, 2 stories and balcony and basement, 149x72 feet (plumbing, heating and electric reserved), slag and concrete roof, cement and maple floors, hollow tile, roof vents, shoring, dampproofing, architectural terra cotta, ornamental iron work, iron stairs, granite, limestone, ornamental plaster, kalamein doors, rolling steel skylights, tile, marble and terrazzo work, metal lath. Contract awarded F. V. Warren Co., 1913 Arch street, Philadelphia.

Hospital (alts. and add.), Atlantic City, N. J., \$16,400. Architects, H. A. Stout, J. V. Mathis, J. H. Vaughan, Atlantic City, N. J. Owners, Atlantic City, care of Mr. J. Moore, Atlantic City, N. J. Brick, frame, 1 story addition, 28x34 feet, plumbing, general alterations. Contract awarded to Charles Thompson, Pleasantville, N. J.

Home (alts.), Municipal Colony, Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, City of Trenton, Home for the Aged, Trenton, N. J. General alterations, new partitions. Contract awarded to Wm. C. Akers, 215 Hollywood street, Trenton, N. J.

Grade School, Alloway, N. J., \$50,000. Architect, Walter Custer, Bridgeton, N. J. Owners, Board of Education, Alloway, N. J. Brick, one story, 150x104 feet, slag roof, pine floors (heating, plumbing and electric work separate). Contract awarded to Wesley Sut-

ton, Salem, N. J. Heating, plumbing and electric not yet awarded.

Residence, Woodside avenue, Trenton, N. J., \$48,000. Architect, private plans. Owner, W. H. Hayes, 659 Edgewood avenue, Trenton, N. J. Frame, two stories, 22x26 feet, slate roof, pine floors, electric work. Contract awarded to W. Roessler, 248 Euclid avenue, Trenton, N. J.

Garage, Warren street, Trenton, N. J. Architect, private plans. Owner, Samuel Rednor, et al., 22 Roebling street, Trenton, N. J. Brick, steel, cement block, one story, 70x155 feet, slag-roof, concrete floors, electric light, steel sash. Contract awarded to D. Leitz & Son, care of owner.

Factory, Prospect street, Trenton, N. J., \$8,000. Architect, private plans. Owners, Connecticut Electric Mfg. Co., care of builders. Brick, two stories, 36x84 feet, slag roof, concrete floors, rolled steel sash. Contract awarded to Karno-Smith Co., Broad Street Bank Building, Trenton, N. J.

Temple Building (alts.), north side of Market, east of Fourth street, Camden, N. J., 3,00. Architect, private plans. Owner, Michael Meloney, Finance Building, Philadelphia, Pa. Construction of elevator pit, elevator, expanded metal, cement plaster, steel doors, etc. Contract awarded to Smith-Hardican Co., 1809 Callowhill street, Philadelphia, Pa.

Garage, Fourteenth and Pine streets, Camden, N. J., \$3,500. Architect, private plans. Owners, Camden Lime Co., Fourteenth and Pine streets, Camden, N. J. Tile, one story, 33x81 feet, slag roof, cement floors. Contract awarded to Edw. Blizzard, 1411 Bradley avenue, Camden, N. J.

Miscellaneous Construction News

Stores (7), Bowling Alley, N. W. Cor. of Baltimore and Howard streets, Baltimore, Md. Architect, Louis Levi, Real Estate Trust Building, Philadelphia, Pa. Owner, Joseph Wieserfeld, on premises. Rebuilding first and basement, alterations to upper floors, changing to heating and lighting, maple floors, metal ceilings, metal bulks. Plans in progress.

Zibley Maternity Hospital, Washington, D. C. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia, Pa. Owners, Berkley Hospital, Washington, D. C. Reinforced concrete, brick facing, stone, four stories and basement. Plans are not yet completed. Architects will notify bidders when ready.

Wm. P. Bancroft School, Lombard between Seventh and Eighth streets, Wilmington, Del. Architects, Delaware School Auxiliary Association, 4116 DuPont Building, Wilmington, Del. Owners, Board of Public Education, 359 City Hall, Wilmington, Del. Brick, reinforced concrete, three stories and part basement, 238x102 feet (heating, electric work, plumbing and ventilating separate). Owners taking bids, due February 17th at 2 P. M. Certified check required.

Residence and Garage, Winston-Salem, N. C. Architects, Charles Barton Keen & Wallace, 338 South Smedley street, Philadelphia, Pa. Owner, R. M. Hanes, Winston-Salem, N. C. Brick, steel, 2½ stories, 60xx30 feet; garage 29x24 feet, slag and slate roof, oak, pine and cement floors, hollow tile, waterproofing, ornamental iron work, metal lath, incinerator, ornamental plaster. Architects taking bids, due February 3rd.

George S. Idell, Architect, formerly of 1705 Chestnut Street, Philadelphia, has opened new offices in the Corn Exchange Building, 1510 Chestnut Street, Philadelphia.

(Continued from page 52)

tors of America pledges its support to the public program of vocational education, to the end that there may be such cooperation locally and nationally as will insure the success of apprenticeship training.

Resolution No. 6 on Seasonal Fluctuation in Construction

Whereas, extreme seasonal fluctuation of construction, resulting primarily from long established habits rather than from any actual necessity, prevents continuous employment during the winter, increases the cost of construction and results in unnecessary waste; and

Whereas, an investigation of seasonal fluctuation in the construction industry, conducted by the Department of Commerce, has indicated the advantage of lengthening the active season of operation and of performing various types of work during the winter;

THEREFORE BE IT RESOLVED,

That the Associated General Contractors co-operate further with the Department of Commerce and commercial organizations to eliminate seasonal habits in construction, and encourage more continuous operation throughout the year.

Resolution No. 7 on Separate Contracts

Whereas, various agencies and organizations have attempted to create an impression that the general contractor is not an essential element of the construction industry and have sought to establish the system of awarding separate contracts for various portions of the work; and

Whereas, the centralization of responsibility in a single agency and the efficiency of the general contract system are clearly demonstrated by centuries of experience; and

Whereas, the Interdepartmental Board of Contracts and Adjustments after full investigation of the two systems has rendered an official decision rejecting the separate contract system;

THEREFORE BE IT RESOLVED,

That the Associated General Contractors vigorously oppose the use of separate contracts and the enactment of any legislation to establish the use of such contracts by law.

Resolution No. 8 on Bonding Practices

Whereas, an investigation of surety bonding practices conducted by the Joint Conference on Surety Bonds, a conference representing highway officials, surety agents, surety officials, equipment manufacturers, and the Associated General Contractors of America, has disclosed that many incompetent, irresponsible and dishonest persons can obtain a

surety bond on construction work, this fact being publicly acknowledged by responsible surety officials before the Joint Conference; and

Whereas, this practice of bonding irresponsible bidders on public construction has been attended by defaults aggregating millions of dollars each year, and by an enormous increase of premiums directly proceeding from the assumption of improper risks and failure to work out a sound system of investigation; and

Whereas, many of the surety company agents who receive commissions incommensurate with any necessary service performed have connived with irresponsible and dishonest bidders in deceiving the bonding companies with respect to the bidder's capabilities; and

Whereas, the magnitude of commissions received by these agents has enabled many of them to rebate with contractors or with owners and public officials, thus forcing bidders to place their bonds with specific agencies; and

Whereas, legislation has been passed in numerous states giving a complete monopoly to the corporate surety bond; and notwithstanding there are other forms of surety adequately protecting the public against loss from failure by contractors; and

Whereas, the Associated General Contractors of America, representing both large and small contractors, are annually executing approximately two billion dollars worth of construction and for that reason have a vital interest in the conduct of contract bond underwriting; and

Whereas, conditions cited to the Joint Conference by prominent engineers and others indicate clearly that the underwriters have failed to define responsibility or to establish proper underwriting standards, thereby resulting in the creation of unwarranted credit; and

Whereas, constructive measures proposed by the Joint Conference on Surety Bonds for correction of these matters have been submitted to the Surety Association of America for consideration and action; but have received no action other than the passage of resolutions of obscure meaning which offer no promise of correcting improper underwriting methods which they themselves admit exist, and which result in the exploitation of the construction industry, rather than in serving the public.

THEREFORE BE IT RESOLVED, by the Associated General Contractors of America in Convention assembled:

First—That contractors in every state introduce into their respective legislatures a bill to prohibit public officials from acting as agents for surety companies, or from attempting to influence the placing of these bonds with any specific surety.

Second—That legislation permitting optional use of other forms of surety be

introduced into every state to break monopoly which has already been created for the corporate surety bond.

Third—This Association will welcome a complete investigation of rebating by agents to contractors, public officials, owners and their representatives.

Fourth—That the measures herein proposed be prosecuted with the utmost energy of this Association, to the end that the entire group of surety officials be brought into effective co-operation with the leaders in their business who are willing to eliminate existing practices inimical to both public and private interests, and that this Association continue to co-operate with any responsible groups interested in eliminating these practices.

Resolution No. 9 on Lien Laws

Whereas, the original intent of the lien law was for the protection of the laborer and mechanic; and

Whereas, the material and supply firms use the lien law as a basis for establishing credit; and

Whereas, the unsuspecting owners commonly find themselves compelled by law to pay twice for material; and

Whereas, the construction industry is materially and detrimentally affected by the irresponsible being furnished material under the protection of the lien law;

THEREFORE BE IT RESOLVED, That this Association go on record as opposed to the enactment of any lien law which may be used as an extension of credit to the purchaser of materials

BE IT FURTHER RESOLVED, That the Associated General Contractors, through its various publications and otherwise, oppose the practice of sales being made under the protection of lien laws in such states as the lien law now exists.

A three days' Terra Cotta Institute will be held at the Carnegie Institute of Pittsburgh in Pittsburgh in co-operation with the National Terra Cotta Society on March 17, 18, and 19, according to an announcement. The meeting, which is announced as the first of its kind arranged in this country, is being planned for the benefit of architects and the building, terra cotta, and ceramic industries.

With the exception of a registration fee of One Dollar, no tuition fees or other charges will be made to those who attend the institute. It is expected, it is announced, that the three days' affair will appeal particularly to persons connected with the related industries in Western Pennsylvania although any one who is interested will be welcomed.

The three days' institute will be conducted under the jurisdiction of the Department of Industrial Relations at Carnegie Tech with Dr. C. B. Connelley, Director of the Department, in charge.

A committee representing the several professions and industries interested in the meeting, is co-operating with Dr. Connelley in arranging a program.

Among the lecturers already engaged for the sessions are: F. S. Laurence, Executive Secretary, of the National Terra Cotta Society, on "Terra Cotta in Architectural Design;" Adolph Hottinger, Treasurer, The Northwestern Terra Cotta Company, Chicago, on a technical subject in ceramic sciences; Cicil Fidler, of the Atlantic Terra Company, Perth Amboy, N. J., upon requirements of construction in terra cotta; A. H. Sheffield, Terra Cotta service Bureau, Chicago, upon a general subject of terra cotta.

All of the meetings of the institute will be held in the College of Fine Arts.

ALL-YEAR-ROUND BUILDING

In the opinion of Gustave Kahn, vice-president and general sales manager of the Truscon Steel Company, building construction is now an all-year-round business. Mr. Kahn says in part: "The idea of crowding a year's construction work into three or four hectic months is a relic of the days when concrete could not be poured after the thermometer dropped below the freezing point and it was believed unsafe to lay brick during cold weather. Due to modern construction facilities, any kind of building from a dwelling to a skyscraper can now be put up no matter what the weather may be and without any delay. The long periods of inactivity have been done away with to a considerable extent, but the 'interludes' are still with us. Lengthening the building season will mean greater production from men now engaged in the building trades and will go far toward attracting capable apprentices."

IMPORTANCE OF CONSTRUCTION INDUSTRY

"More than 11,000,000 of our people are dependent for their living upon the construction industry, and 22 per cent of all the skilled and unskilled labor of the country is engaged in the building branch alone." Secretary of Labor, Davis, said recently, "Some 250,000 freight cars are required to handle the materials. Our building bill is \$200 per year for each family in the United States. It is truly the chief barometer of the business of the country. When construction gains, prosperity is with us. It is the great outstanding influence for good or bad in our financial progress."

If your sales-talk is keyed to interest men who build it should occupy space every week in the "Guide," the only building news magazine this side of Manhattan Island.

Reference Directory for Architects, Builders and Owners

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S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS AND ARCHITECTS' SUPPLIES.

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

ASPHALT CONSTRUCTION.

Rulon, Ralph V.239 N. 30th St., Phila.

BLUE PRINTS.

Blue Print Shop.....1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

BLUE PRINT PAPER.

Blue Print Shop.....1520 Sansom St., Phila.
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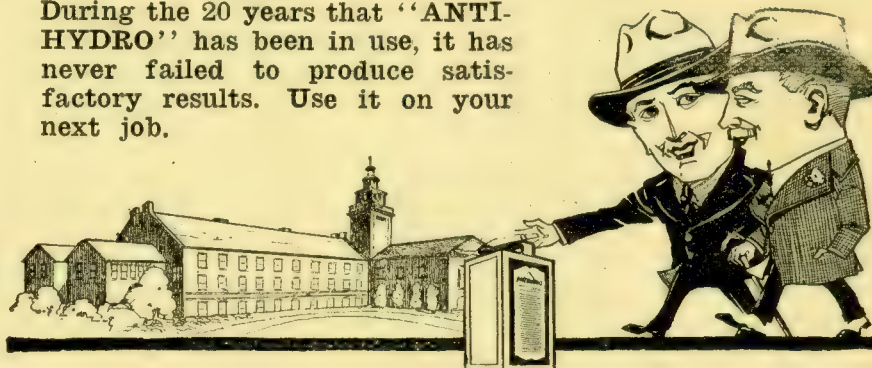
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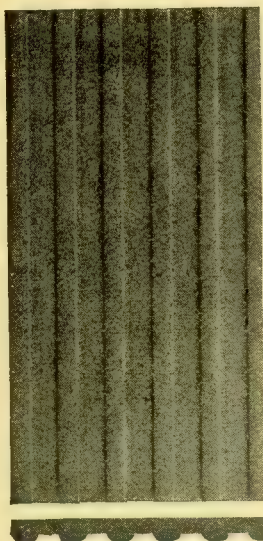
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BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XL, No. 5
February 4, 1925

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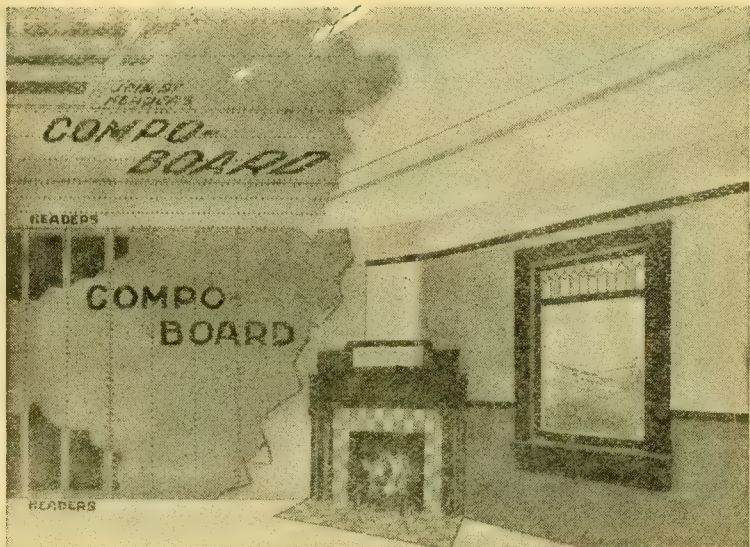
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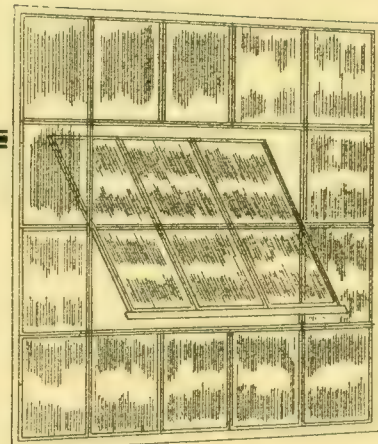
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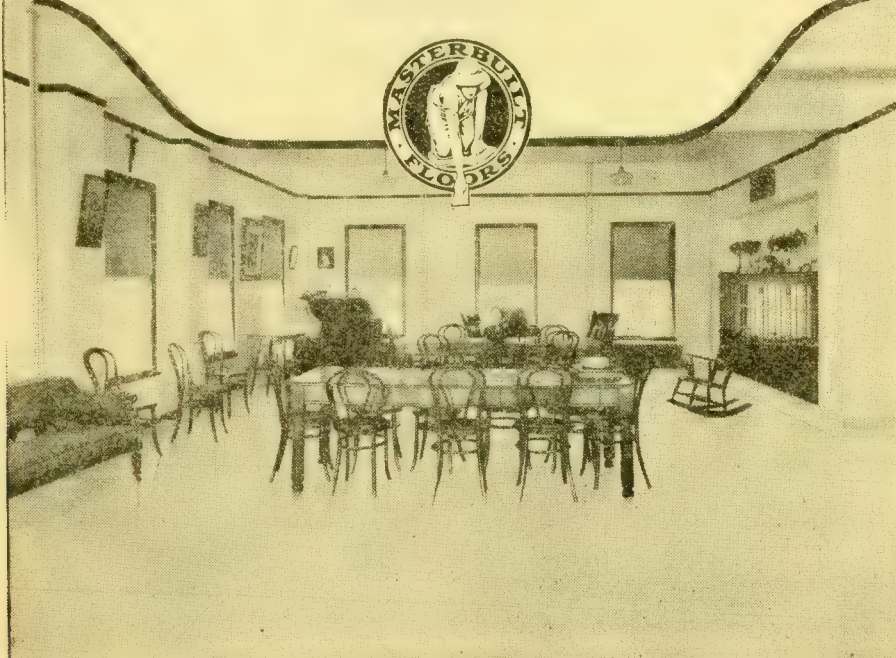
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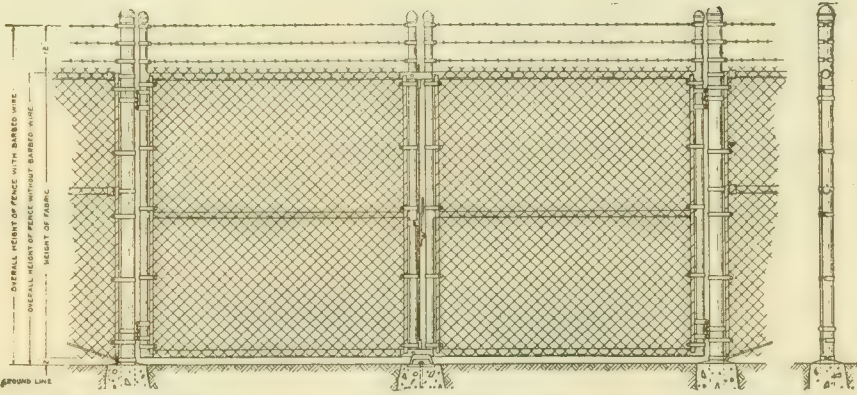
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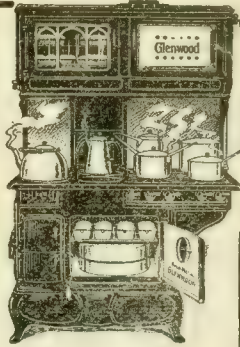
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural

VOLUME XL

Number 5

Engineering and the Building Trades

PHILADELPHIA

February 4, 1925

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PUBLISHED WEEKLY

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As The Editor Sees It



1925—ANOTHER FIVE BILLION DOLLAR BUILDING YEAR

*Annual Building Survey and Forecast by
"The Architectural Forum"*

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Perhaps the most interesting statistical development in the building field during the past few years has been the Annual Building Survey and Forecast by the Architectural Forum. For the past three years, since the institution of this annual forecast, the Forum prediction as made the first of each year, has been within 3 per cent. correct when compared with actual figures at the end of the year. This forecast of building activity is based on a comprehensive survey carried out through individual reports from building contractors, bankers and from building contractors, banker and others directly interested in the construction field. The investigation is made in 19 building types and covers each state. Percentage comparisons are made with the previous year in each classification, so that there is provided not only a definite measure of activity in each district, but a relative measure of the increase or decrease of public interest in the particular building type in question.

The accompanying tabulation represents in detail the Fourth Annual Survey and Forecast of The Architectural Forum, which indicates for 1925 another \$5,000,000,000 building year, the actual

figure determined by the survey being \$4,992,318,000.

This Survey was conducted in exactly the same manner as that used successfully for the past three years during which period the Forecast of the Architectural Forum presented at the first of each year, has closely approximated the actual totals of the year. In January 1924, the published forecast of The Architectural Forum predicted an expenditure of \$5,560,367,700 during that year. Figures now available prove that this prediction was correct within 3 per cent. A recent statement by S. W. Straus & Co. is as follows:

"The year 1924 has been the largest building year in the history of the country in point of financial requirements. Last year the volume was \$5,500,000,000, but aggregate operations this year exceed the 1923 total by about 4½ per cent."

Factors Influencing 1925 Building

All evidence would seem to bear out this prediction that 1925 is to be another record building year and that the great momentum of the building industry would continue almost unchecked. The basic elements which establish the total volume of building in any given year include the following:

An established shortage of buildings.
Public confidence in the building situation.

Stabilized costs.

Good transportation conditions.

Ample mortgage money.

Good labor conditions.

Well maintained rentals.

Sound general business conditions.

In regard to the existing building shortage, a survey recently conducted by S. W. Straus & Co. states as follows:

"The year 1924 closes with a building shortage of considerable magnitude confronting the industry. In the cities of more than 10,000 population alone, this shortage is in excess of \$4,000,000,000 with a very large apparent shortage in places of less than 10,000 population."

Of course, in certain districts the building shortage has to a considerable extent been met but at present building costs, the normal expenditure required in this country is approximately three and a half billion dollars, so that even at the five billion dollar rate, it will still take several years of more than normal activity to meet the requirements of the shortage which accumulated over the period from 1913 to 1920.

There has occurred no abrupt rise in building costs or no trouble in the labor situation to disturb public confidence in building. In fact, conditions today are better than they were a year ago, for we have behind us a year remarkably free from labor disturbances and one in which building projects proceeded in a smoother manner than for many years before. Investments in mortgage bonds and individual financing of building pro-

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jects continue unabated and there are no apparent signs to indicate anything but a strong element of confidence in the real estate market and throughout the building industry. In certain districts speculative building has been overdone and it may well be that the volume represented by that field will be less in 1925 than in 1924, but on the other hand institutional and commercial building promises to over-balance this situation.

Building costs have remained fairly stable during 1924 and with the exception of some seasonal fluctuation it is anticipated that costs will remain well stabilized during 1925.

The handling and shipping of building materials has been greatly facilitated by improved transportation conditions, and this fact coupled with the good production situation, makes it possible to obtain deliveries without undue delays so that the element of waste has been considerably eliminated from the building cost situation. Building material manufacturers are producing and distributing their products today more extensively and more smoothly than ever before in the history of the industry. In spite of the huge building program of the last year, there are no apparent shortages of materials. This is a particularly important fact because the shortage of materials in the past, particularly prior to 1924, has been a definite drag on the developing momentum of the construction industry.

Building finance is in excellent condition, primarily due to the confidence of the public in this field and to the ability of building enterprisers to pay well for the use of money. Reports from mortgage companies everywhere indicate confidence in the situation and willingness to aid in any legitimate building project. The amount of money directed into building channels through mortgage bond companies is increasing every year and mortgage bonds have become a standard form of investment in every section of the United States. Secondly, financing has also become easier and with fairly well stabilized building costs, it is probable

that building operations can be carried out with an even smaller proportion of equity than at any time during the past few years. Real estate circles report considerable activity in the sale of sites for buildings of all types, including a considerable movement in suburban districts.

The labor situation in the building field promises little or no trouble next year. In the various trades the union scales have evidently been worked out in a manner reasonably satisfactory to all parties and many agreements between labor and employers will probably remain in force at least during the year 1925. As no great disturbance is anticipated in this quarter, this condition becomes an important factor tending toward continued prosperity in the construction industry.

It may also be noted that rentals are evidently being well maintained on present levels and consequently building projects offer excellent investments with a strong speculative factor still in evidence. No great change is anticipated in this condition during 1925, as the demand for various classes of building occupancy is still strong except for certain districts and building types where past shortage has been overcome and even here there has been no great reduction in rental income.

Seaking of general business conditions and of the building situation. Secretary Hoover in a recent statement on the economic prospects for the year 1925, says in part:

"The construction work of the country has maintained high activity. While the shortage, particularly of housing and business buildings, due to the cessation of construction during the year, has been to a large degree overcome, yet continued high real wages and general prosperity create a demand in excess of that due only to increasing population, because of the insistence of a population of rising standards of living, for more elbow room and better housing generally. One striking factor in maintenance of increased construction activities is the ef-

(Continued on Page 78)

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Advance Construction News

CONTEMPLATED CONSTRUCTION: ARCHITECTS AND OWNERS: COST LIMIT: LAST DAYS FOR FILING BIDS:

CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED: ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Office (alts.), Real Estate Trust Building, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owner, George Watson, on premises. Interior changes, office fixtures. Architects taking sub-bids due as soon as possible.

Residence, Oak road, Germantown, Philadelphia. Architect, E. B. Gilchrist, 1618 Latimer street, Philadelphia. Owner, G. Laurence Miller, care of architect. Architect taking bids due February 13th at noon.

Store, 1120 West Spring Garden street, Philadelphia, \$5,000. Architect, private plans. Owner, A. Smerling, Southwest Corner Twelfth and Spring Garden streets, Philadelphia. Brick, 2 stories, 18x70 feet, slag roof, pine floors, electric light. Owner will build.

Bank (alts. and add.), Southwest Corner Fifty-second and Market streets, Philadelphia, \$200,000. Architect, W. Leshner Blithe, 608 Chestnut street, Philadelphia. Owners, Market Street Title & Trust Co., on premises. Reinforced concrete, brick, stone, limestone, 2 stories, 24x214 feet. Plans in progress.

Residence, Ingelburg road, near Remington road, Overbrook. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner, Henry P. Bailey, Ardmore, Pa. Stone, 2½ stories, slate roof, hardwood floors, electric light, tile work. Plans about completed.

Residence, Northwest Corner Sixty-fourth avenue and Seventh street, Philadelphia. Architect, William K. Durham, 312 South Broad street, Philadelphia. Owner, E. Irving Shuttleworth, 3054 Kensington avenue, Philadelphia. Stone, Colonial residence. Plans in progress.

Manufacturing Building, 5051-61 Lancaster avenue, Philadelphia. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owners, Minter Brothehrs, 3246 Ludlow street, Philadelphia. Brick, 3 stories, 25,000 square feet. Plans in progress. Will be ready for bids in about 3 weeks.

Store, Office and Apartment, 4341 Frankford avenue, Philadelphia. Architect, John H. Rackie, 4448 Frankford avenue, Philadelphia. Owner, name withheld. Brick, 3 stories, vapor heat, electric light, slag roof, hardwood floors, plate glass. Plans in progress.

Residences (2), Holmesburg, Pa. Architect, John H. Rackie, 4448 Frankford avenue, Philadelphia. Owner, name withheld. Brick, hot water heat, electric light, tin roof, hardwood floors, tile work. Plans in progress.

Operation of Residences, Sixty-sixth avenue and Fifth street, Oak Lane, Philadelphia. Architect, private plans. Owner, Francis B. J. Branagan, 1337 West Erie avenue, Philadelphia. Brick, 2 stories, electric light, tile work, hardwood floors. Work contemplated. Will build in spring of 1925.

Residences (90), Champlost avenue, Edna, Fern and Spencer streets, Philadelphia. Architect, private plans. Owner, Herman Britsch, 523 West Nedro avenue, Philadelphia. Brick, 2 stories, 16x70 feet, slag roof, hardwood floors, cement work, hot water heat, electric light, metal lath, tile work, garages in basement. Work contemplated. Owner will start work in July, 1925.

Stores and Apartments, Oxford pike and Akron street, Philadelphia. Architects, Murphy & Talley, Drexel Building, Philadelphia. Owner, George T. Sales, Liberty Building, Philadelphia. Brick, 3 stories, irregular, hot water heat, electric light, tile work, slag roof, hardwood floors, metal bulks. Ready for bids in one week.

Apartment House, McCallum and Hortter streets, Philadelphia. Architects, McLanahan & Bencker, Bellevue Court Building, Philadelphia. Owner, name withheld. Brick, reinforced concrete, limestone trim, 9 stories, 54 apartments, slag roof, hardwood and cement floors, gypsum block, tile and marble work, steam heat, electric light, terra cotta. Plans in progress. Will be ready for bids in three weeks.

Store (alts.), Residence (add.), 1231 South street, Philadelphia. Architect, J. Naschold, 5224 North Second street, Philadelphia. Owner, Ida Burke, care of architect. Brick, third story addition to residence, 16x54 feet, hot water heat, electric light, slag roof, pine floors, carpentry and mill work, interior alterations. Architect will take bids in about one week.

Residences (250), Lorretto to Summerdale, Pratt and Bridge streets. Architect, private plans. Owner, Mathew J. Best, Mirian road, East of Pratt street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hardwood floors, hot water heat, electric light. Owner taking sub-bids on first 64.

Store and Apartments (10), Oxford Circle, Oxford and Chelton avenue, Philadelphia. Architect, private plans. Owner, Mathew J. Best, Mirian road, East of Pratt street, Philadelphia.

Philadelphia. Brick, 2 stories, hot water heat, electric light, slag roof, hardwood floors. Owner will take sub-bids soon.

Roberts Avenue Addition, Roberts and King streets, Philadelphia. Architects, The Balingier Co., Twelfth and Chestnut streets, Philadelphia. Owners, Atwater Kent Mfg. Co., Wissahickon avenue and Abbotsford road, Philadelphia. Brick, steel, terra cotta trim, 1 story and basement, 225x119 feet, depth 514 feet, area 126,110 square feet, 14 acres of industrial space, slag roof, cement, wood block floors, hollow tile, electric elevator, safety treads, architectural terra cotta, ornamental iron work, tin clad and kalamein doors, rolled steel sash, steam heat, electric light, metal lath, plumbing, elevator equipment, sprinkler system. Bid includes building and all equipment. Architects taking bids due February 10th at noon. Rolled steel shutters.

Building (alts. and add.), 1628 Locust street, Philadelphia. Architect, Spencer Roberts, 10 South Eighteenth street, Philadelphia. Owner, M. W. Liedholm, on premises. Brick, 4 stories, 33x20 feet, slag roof, brick work, mill work, tile work, cement work, plastering, stair work, iron work, slag roof, steel sash, painting, plumbing, rubber tile floors. Architect taking bids due February 6th.

Hospital (H Group), Wistar and Penn streets, Germantown, Philadelphia. Architect, Arthur H. Brockie, 254 South Fifteenth street, Philadelphia. Owners, Germantown Dispensary and Hospital, Germantown, Philadelphia. Brick, cut stone, limestone, reinforced concrete steel, private patients' building, 155x45 feet, staff building, 49x77 feet, ward building, 167x55 feet, all buildings, 5 stories and basement (heating, ventilating and electric, plumbing reserved), slag roof, cement floors, hollow tile, electric elevators, roof ventilators, metal weather strip, waterproofing, architectural terra cotta, ornamental iron work, steel doors, copper skylights, rolled steel sash, tile, marble and terrazzo work, metal lath, kitchen equipment, sound deadening. Architect taking bids due February 20th, 10 A. M.

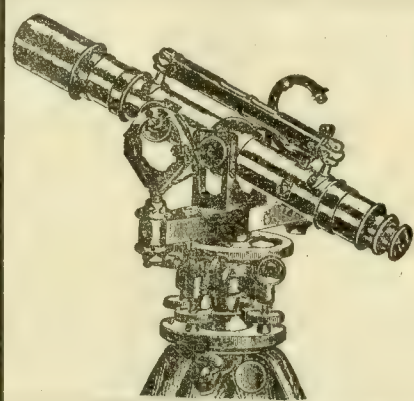
Store and Office Building, Southwest Corner Seventeenth and Walnut streets, Philadelphia. Architect, Leroy B. Rothschild, 215 South Broad street, Philadelphia. Owners, Seventeenth and Walnut Streets Corporation,

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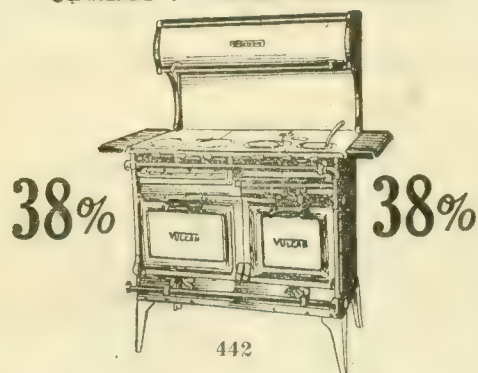
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care of architect. Brick, steel, limestone, granite, steel, 12 stories and basement, 170x40 feet (plumbing, heating, sprinkler system reserved), slag roof, cement floors, elevators, metal weather strips, dampproofing, architectural terra cotta, ornamental iron work, iron stairs, bond, kalamein and hollow metal doors, rolled steel sash, marble and terrazzo work, metal lath, electric lighting, Johns Mansville insulated ceiling, metal toilet partitions. Architect taking bids due February 12th at noon.

New Gym in Attic, William Penn High School, Fifteenth and Wallace streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Structural steel, brick work, reinforced concrete, carpentry and mill work, painting and glazing, hardware, wire screens. Owners taking bids due February 5th.

Recreation Center and Shelter Building, Pensdale and Mitchell streets, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Welfare, Bureau of Recreation, Philadelphia. Asbestos shingle roof, cement floors (plumbing, electric separate), 1 story, 41x29 feet, drinking fountain, painting, tennis courts, brick, iron fences, structural steel. Owner taking bids.

Building (add.), 1109 Walnut street, Philadelphia. Architect, Adin B. Lacey, 1012 Walnut street, Philadelphia. Owners, Lush & Freidenburg, on premises. Brick, concrete, cut stone, 4 stories and basement, 40x32 feet, slag roof, composition, maple and oak floors, shoring, ornamental iron work, metal bulks, fire doors, galvanized iron skylights, terrazzo work, metal lath, electric light, limestone, granite. Architect taking bids due February 7th.

Mill (add.), Cheltenham avenue and Anderson street, Philadelphia. Owners, Bolger Brothers, 1139 East Cheltenham avenue, Philadelphia. Brick, steel, 3 stories, 45x106 feet, 40x70 feet (plumbing, heating, electric reserved), slag roof, pine floors, rolled steel sash, ornamental iron work. Owners taking revised bids due as soon as possible.

Alterations, various schools, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Willard School, Emerald and Orleans; Logan School, Seventeenth and Lindley; Girard School, air filters. General alterations, electric work. Owners taking bids due as soon as possible.

Pair of Residences, Grant, between Torresdale and Wissinoming avenue, Philadelphia. Architects, Druckenmiller & Williams, 1537 Chestnut street, Philadelphia. Owner, W. K. DeVictor, Real Estate Trust Building, Phila-

delphia. Frame, plaster, 2½ stories, 30x30 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Owner will take sub-bids and general bids from Bucks County builders.

Residences (22), Lawrence, between Nedro and Champlost streets, Philadelphia. Architect, private plans. Owner, Herman Britsch, 523 West Nedro avenue, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, hardwood and pine floors, cement work, hot water heat, electric light, metal lath, tile work, garages in 11 basements. Owner taking sub-bids.

Residences (22), Store and Residence (2), Third and Champlost streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, John M. Snyder, Lawrence and Nedro avenue, Philadelphia. Brick, 2 stories, (22) 16x40 feet, (2) 16x50 feet, slag, tin and slate roof, hardwood floors, hot water heat, electric light, tile work, hollow metal sash, flush bulks, garage privilege. Owner ready for sub-bids.

Residence (alts. and add.), 806 West Vengango street, Philadelphia. Architect, J. Naschold, 5224 North Second street, Philadelphia. Owner, Paul Trebs, care of architect. Brick, 2 stories, 16x20 feet, slag roof, pine floors, hot water heat, electric light, carpentry and mill work, interior alterations. Architect taking general bids due February 9th.

Supplies, Philadelphia. Purchasing agent, E. J. Lafferty, 312 City Hall, Philadelphia. Fire house, lavatory supplies, electrical supplies, wagon wheels, springs and axles, wheeling chairs, oxygen, nitrous gas. Owners taking bids due February 5th at noon, Room 329.

Residences (7), (4) Claridge and St. Vincent streets, and (3) Rising Sun and Cottman street, Philadelphia, \$37,000. Architect, private plans. Owner, Harry Perlman, 1225 Cottman street, Philadelphia. Brick, 2 stories, (3) 16x60 feet, (4) 16x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (16), West side Penn street, North of Cheltenham avenue, \$80,500. Architect, private plans. Owner, William Cooper, 76 East Johnson street, Philadelphia. Brick, 2 stories, 15x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residence, Southwest Corner Lawndale and Cottman streets, Philadelphia, \$12,000. Architect, private plans. Owner, Michael Glaser, 1238 North Lawrence street, Philadelphia. Brick, 2 stories, 26x30 feet, 16x39 feet, hardwood and pine floors, electric lighting, tile work. Owner will build.

Stores (4) and Apartments (alts. and add.), Northwest Corner Nineteenth and Green streets, Philadelphia, \$10,000. Architect, Wil-

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liam F. B. Koelle, Otis Building, Philadelphia. Owner, Thomas J. Minnick, Wynnewood, Pa. Brick, 3 stories, 36x32 feet, third story rear add., hot water heat, electric light, slag roof, hardwood floors, tile work, plumbing. Owner will build and is taking sub-bids.

Residences (42), Sixteenth, Seventeenth and Smedley streets and Smedley and Pollock streets, Philadelphia, \$204,000. Architect, private plans. Owner, John W. Shisler, 400 East Roosevelt Boulevard, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (70), Thirty-second and Allegheny avenue, Napa and Natrona streets, \$303,500. Architect, private plans. Owner, M. L. Miller, Thirty-second and Allegheny avenue, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residence and Garage (alts. and add.), 5537 Frankford avenue, \$6,700. Architect, private plans. Owner, Harry Dawson, on premises. Brick, 1 story add., 16x16 feet, second and third stories, 16x40 feet, general alterations. Owner will build.

Apartments (4), (2) Hansberry street, West of Henley street, and (2) Wayne avenue, North of Hansberry street, \$50,000 each. Architect, private plans. Owner, Thomas J. Whelan, 6318 City Line avenue, Philadelphia. Brick and stone, 4 stories, 38x51 feet and 27x87 feet, steam heat, electric light, hardwood, pine and cement floors, tile work. Owner will build.

Residences (11), North side Robat street, East of A street, Philadelphia, \$49,800. Architect, private plans. Owner, Charles M. Sinn, 5518 North American street, Philadelphia. Brick, 2 stories, 16x39 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Manufacturing Plant, Northeast Corner Fox and Abbotsford road, Philadelphia. Architect, private plans. Owners, Hall Planetary Milling Machinery Co., 4825 Garden street, Frankford, Philadelphia (Frankford 0631). Owners ready for bids.

Residences (29), McMahon and Tulpehocken streets, \$4,200 each, and **Store and Resi-**

dence (1), Walnut lane and McMahon street, \$6,500. Owners, Haney & Harrigan, Belfield avenue and Tulpehocken street. Brick, 2 stories, (1) 18x29 feet, (29) 17x29 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residences (4), Store and Residences (2), Granite and Jackson streets, \$25,000 total. Architect, private plans. Owner, John Elser, 1966 Bridge street, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences and Garages (6), North side Magee street, East of Tabor Road, \$26,400 total. Architect, private plans. Owner, Frederick C. Foy, 6411 Rising Sun avenue, Philadelphia. Brick and frame, 2 stories, 16x41 feet, and 1 story, 10x17 feet, hardwood, pine and cement floors, hot water heat, electric light. Owner will build.

Garage and Steel Tank, West side A street, East of Market, \$6,500. Architect, private plans. Owners, American Oil Co., Wilmington, Del. Brick, 1 story, 30x56 feet 6 inches, slag roof, concrete floors, electric lighting. Owners will build.

Residence, Northeast Corner Twenty-first and Nedro avenue, Philadelphia, \$5,000. Architect, private plans. Owner, E. Stahl, 5003 North Third street, Philadelphia. Brick, 2 stories, 15x38 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (7), South side Shelmire street, East of Lawndale street, \$4,500 each. Architect, private plans. Owners, Betz Brothers, 6915 Rising Sun avenue, Philadelphia. Frame and stucco, 2 stories, 24x42 feet, hardwood and pine floors, hot water heat, electric light. Owners will build.

Laundry (add.), Northwest Corner Seventeenth and Cayuga streets, Philadelphia, \$2,800. Architect, private plans. Owners, Holland Laundry, on premises. Steel tank support. Owners will build.

Garage, West side State road, South of Unruh street, Philadelphia, \$2,200. Architect, private plans. Owners, Curtis Brothers, on premises. Stone, 1 story, 27x103 feet, cement floors, electric light. Owners will build.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Garage and Office, 5356 Chew street, Philadelphia, \$8,000. Architect, private plans. Owner, Albert Wackerman, 859 Church Lane,

Philadelphia. Brick, 1 story, garage, 18x41 feet, 66x18 feet, office 15x15 feet, 37x60 feet, slag roof, pine and cement floors, electric



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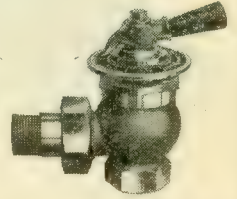
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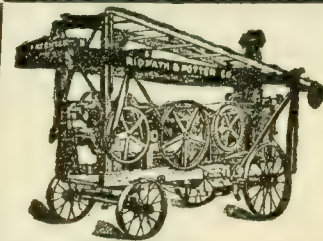
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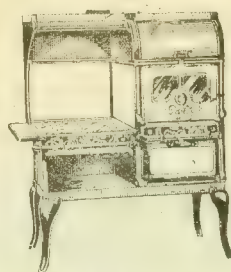
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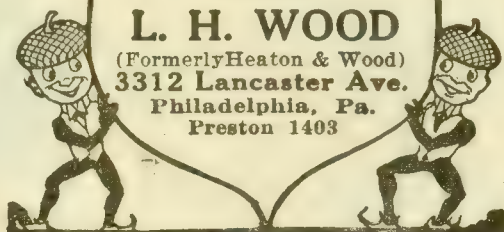
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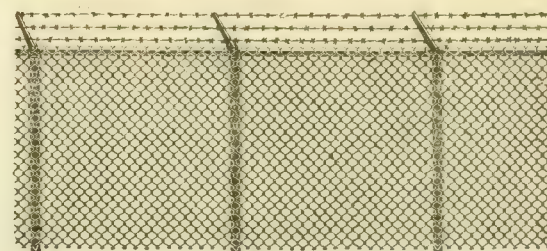
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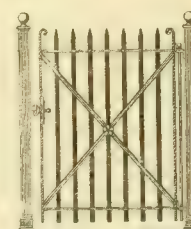
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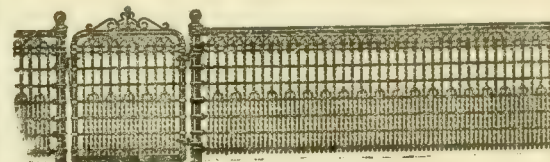
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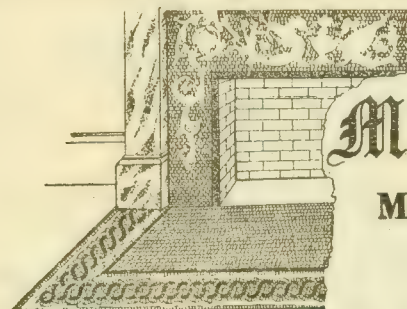
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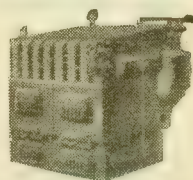
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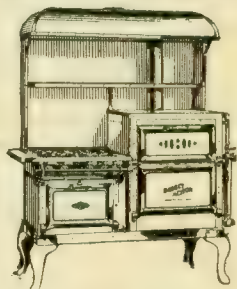
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work. Contract awarded to Harold P. Miller, Oak Lane Trust Building, Philadelphia.

Building and Garage (alts. and add.), North side Indiana avenue, East of Second street, Philadelphia, \$4,000. Architect, private plans. Owners, Kensington Quoit Club, Hancock and Indiana avenue, Philadelphia. Brick, 1 story add., 32x35 feet, general alterations, garage, 1 story, 83x16 feet, slag roof, pine and cement floors. Contract awarded to W. R. Smithwick, 1409 North Allison street, Philadelphia.

Department Store, Ninth and Chestnut streets, Philadelphia. Architects, Graham, Anderson, Probst & White, Canal and Washington avenue, Chicago, Ill. Owners, Gimbel Brothers, care of Daniel Gimbel, Philadelphia. Stone, white bed for stone, reinforced concrete, steel, 9 stories, basement and sub-basement, 100x125 feet, steam heat, electric light, tile and marble work, hardwood and composition floors, slag roof, elevators, escalators, plate glass, metal bulks, fire doors. Contract awarded Thompson Starrett, Packard Building, Philadelphia. Plans in progress.

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Garage, 1139 Dauphin street, Philadelphia, \$25,800. Architect, private plans. Owners, Vance Realty Co., 1113 Cheshtnut street, Philadelphia. Brick, steel, 2 stories, 124x48 feet, slag roof, cement floors, steam heat, electric light, ornamental iron work. Contract awarded Harry G. Walters, 412 North Fortieth street, Philadelphia.

Store, 505-507 Vine street, Philadelphia. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owner, Julius Boekel, care of architect. Brick, cut stone, steel, 2 stories, 31x75 feet, slag roof, cement floors, metal lath, tile work, roof ventilators, bond, ornamental iron work. Contract awarded E. E. Hollenback, 1804 Brandywine street, Philadelphia.

Residence, Chestnut Hill, Pa., \$24,000. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner, Dr. Alexander Randall, Medical Arts Building, Philadelphia. Brick, 2½ stories, 72x33 feet (plumbing, heating, electric reserved), shingle roof, oak and pine floors, tile work, iron work. Contract awarded S. Harting & Sons, 20 East Johnson street, Philadelphia.

Store and Residence, Torresdale avenue, South of Longshore street, Tacony. Owner, Louis L. Snyder, Torresdale avenue below Longshore, Tacony. Brick, steel, 2 stories, 20x83 feet, slag roof, pine and oak floors, roof ventilators, ornamental iron work, rolled steel skylights, tile and marble work, electric light, hot water heat. Contract awarded J. W. Emery & Co., 34 South Sixteenth street, Philadelphia, not signed.

Alterations (first floor, mezzanine and basement), 121 North Broad street, Philadelphia. Architect, private plans. Owners, Thompson Spa, 712 Chestnut street, Philadelphia. Plumbing, heating, electric work, carpentry and mill work, plastering, cement work, painting, iron work. Contract awarded John N. Gill Co., City Center Building, Philadelphia.

Building (alts. into Garage), Twelfth and Callowhill streets, \$10,000. Architect, private plans. Owners, Metal Edge Box Co., Twelfth and Callowhill streets, Philadelphia. Brick work, carpentry and mill work, cement work, steel sash, slag roof. Contract awarded Kober Const. Co., 34 South Seventeenth street, Philadelphia.

Residence, South side Blakiston street, West of Torresdale avenue, \$6,000. Architect, private plans. Owner, James McDonald, 3129 Custer avenue, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to C. Day, Holmes-

burg, Philadelphia.

Bank Building (interior alts.), Seventh and Dauphin streets, Philadelphia. Architect, private plans. Owners, Northern Trust Co., on premises. Mill work, mineral floors, tile work, plumbing. Contract awarded Harry Gill, Jr., 2515 Germantown avenue, Philadelphia.

Hospital (alts. and add.), Northeast Corner Seventieth and Woodland avenue, \$10,000. Architect, private plans. Owners, St. Vincent's Hospital, on premises. Brick, 4 stories add., 10 feet 6 inches x 19 feet, general alterations. Contract awarded to P. J. Lawler, 7010 Garrett road, Upper Darby, Pa.

Garage, West side Franklin street, North of Columbia avenue, Philadelphia, \$6,500. Architect, private plans. Owners, Garfinkle & Fox, Twenty-fifth and Lehigh avenue, Philadelphia. Brick, 1 story, 32x34 feet, slag roof, cement floors. Contract awarded to Max Sklar, 628 Pine street, Philadelphia.

Store and Office (alts.), 1823-25 Chestnut street, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Westney & Buckley, care of architect. Contract awarded for electric work to Marcus Newmark, 1814 Ludlow street, Philadelphia.

Dye House (repairs), West side Witte street, South of Clearfield street, \$6,000. Architect, private plans. Owners, Phoenix Dye Works, on premises. General fire repairs. Contract awarded to Northern Const. Co., 5302 North Fifth street, Philadelphia.

Club House (repairs), Seventieth avenue and Twelfth street, Philadelphia, \$5,000. Owners, Oak Lane Review Club, on premises. General fire repairs. Contract awarded to F. L. Hoover & Son, 1023 Cherry street, Philadelphia.

Residence and Office (alts. and add.), 4033 West Girard avenue, \$4,900. Architect, J. E. Fieldstein, Otis Building, Philadelphia. Owner, Dr. Frank Kessler, Southwest Corner Fortieth and Girard avenue, Philadelphia. Brick, 1 story add., 14x10 feet, 18x16 feet, general alterations. Contract awarded to A. S. Kirpich, 3211 Oxford street, Philadelphia.

Garage, 7014 McCallam street, Philadelphia, \$4,500. Architect, private plans. Owner, Charles McNichol, on premises. Brick, 1 story, 37x48 feet, slag roof, cement floors. Contract awarded to R. W. Weber, 2138 Arch street, Philadelphia.

Bank (alts.), 425-29 Chestnut street, Philadelphia, \$4,000. Architect, private plans. Owners, Philadelphia National Bank, on premises. General alterations. Contract awarded to William Steele & Sons Co., 219 North Broad street.

Residence and Store (alts.), 201 West Girard avenue, \$4,000. Architect, private plans. Owner, J. Goldberg, 1731 Ridge avenue, Philadelphia. General alterations. Contract awarded to J. Farbstein, 917 Ritner street, Philadelphia.

Store and Residence (alts. and add.), 763-65 North Thirty-ninth street, \$3,000. Architect, private plans. Owner, Max Pearlstein, on premises. Brick, 1 story add., 30x9 feet 6 inches, general alterations. Contract awarded to B. Bannett, 3960 Ogden street, Philadelphia.

Store and Storage (alts. and add.), Southeast Corner Tenth and Sigel streets, \$2,000. Architect, private plans. Owner, G. Cinquisi, 1922 South Warnock street, Philadelphia. Brick, 2 stories, 16x30 feet, general alterations. Contract awarded to F. Vianale, 1316 South Thirteenth street, Philadelphia.

Hall (repairs), 507-09 South Eighth street, Philadelphia, \$3,000. Architect, private plans. Owner, J. Cohen, 253 South Ninth street, Philadelphia. General fire repairs. Contract awarded to L. Rozinsky, 520 Dickinson street, Philadelphia.

Residence (alts.), 138 West Walnut Lane, Philadelphia, \$2,000. Architect, private plans.

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Owner, Dr. H. B. Wilmer, on premises. General alterations. Contract awarded to William C. Wright & Son, 22 Harvey street, Philadelphia.

Store and Storage (alts.), Southwest Corner Fifth and Washington avenue, \$3,000. Architect, private plans. Owner, D. Sigman, on premises. General alterations. Contract awarded I. Negin, 1809 South Fourth street, Philadelphia.

Open Shed, 1125 North American street, Philadelphia, \$2,000. Architect, private plans. Owner, Thomas Lee, 918 Filbert street, Philadelphia. Frame, 1 story, 18x50 feet. Contract awarded to H. R. Rust, Inc., 19 South Eighth street, Philadelphia.

Store and Residence (alts.), 446 North Second street, Philadelphia, \$2,000. Architect, private plans. Owner, Mr. Gottlieb, 832 North Eighth street, Philadelphia. General alterations. Contract awarded to S. Yellin & Son, 3125 Montgomery avenue.

Residence (add.), 911 Clinton street, Philadelphia, \$2,500. Architect, private plans. Owner, W. D. Craigwright, on premises. Brick, 1 story add., 14 feet 8 inches x 25 feet. Contract awarded to William R. Dougherty, 1610 Sansom street.

Storage (alts.), 1103 South Second street, Philadelphia, \$2,000. Architect, private plans.

Owner, P. Devitt, on premises. General alterations. Contract awarded to H. C. Dahl, 231 South Eighth street, Philadelphia.

Store and Residence (alts.), 1002 West Huntingdon street, \$2,000. Architect, private plans. Owner, Louis Warner, 1308 North Twelfth street, Philadelphia. General alterations. Contract awarded to Shechtman Brothers, 1524 North Marshall street.

Store and Shop (alts. and add.), 5542 North Fifth street, \$2,000. Architect, private plans. Owner, George Hess, on premises. Brick, 2 stories add., 4x20 feet, general alterations. Contract awarded to Fitt & Forster, 5753 North Fifth street, Philadelphia.

Store and Residence (alts. and add.), Southwest Corner Thirty-second and Baring streets, \$2,200. Architect, private plans. Owner, James McCourt, 422 North Thirty-second street, Philadelphia. Brick, 1 story add., 7x32 feet, general alterations. Contract awarded to H. F. Dillon, 1223 South Twentieth street, Philadelphia.

Warehouse, 211 Wood street, Philadelphia. Architect, Samuel Abramson, 2313 Walnut street, Philadelphia. Owner, Joseph Rosen, on premises. Brick, stone, steel, 2 stories, 16x74 feet, slag roof, cement and pine floors. Contract awarded Glasshofer & Farbstein, 917 Ritner street, Philadelphia.

light. Plans in progress. Will take bids in spring.

Church, McKeesport, Pa. Architects, Charles W. Bolton Son, Schaff Building, Philadelphia. Owners, First Methodist Episcopal Church, G. F. Myers, McKeesport, Pa. Plans about completed. Will be ready for bids in a week.

Residence, Haverford, Pa. Architects, Melior, Meigs & Howe, 205 South Juniper street, Philadelphia. Owner, Robert F. Holden, 14 South street, Philadelphia. Brick, 2½ stories. Plans about completed. Architects will take bids.

Residences and Garages (7), Strafford, Pa. Architect, W. H. Durham, 312 South Broad street, Philadelphia. Owner, W. K. Durham, 312 South Broad street, Philadelphia. Stone, brick, building block and stucco, frame and stucco, 2½ stories, 50x24 feet, 50x36 feet, irregular, slate and shingle roof, hardwood floors, hot water heat, electric light, tile work, (3) baths in each. Architect taking sub-bids due as soon as possible.

Residences (2), Wynnewood, Pa. Architect and owner, W. K. Durham, 312 South Broad street, Philadelphia. Stone, brick, hollow tile, half-timber, 2½ stories, 38x56 feet, irregular, hot water heat, electric light, tile work, (3) baths in each, slate and shingle roof, hardwood floors. Architect taking sub-bids due as soon as possible.

School and Auditorium, Minersville, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, St. Francis' Lithuanian Parish, Rev. J. A. Karalois, Minersville, Pa. Brick, structural steel, 3 stories, 92x64 feet, slag roof, hardwood and cement floors, hollow tile, safety treads, roof ventilators, cast stone, iron stairs, metal lath, steam heat, electric light. Architect ready for bids.

School, Shenandoah, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owner, Rev. J. Mickun, 229 North Jardin street, Shenandoah, Pa. Frame, 3 stories, 30x26 feet, composition roof, pine floors (heating, plumbing and electric reserved). Architect will be ready for bids about February 7th.

Convent (alts. and add.), 231 North Jardin street, Shenandoah, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owner, Rev. John Mickun, 229 North Jardin street, Shenandoah, Pa. Brick and frame, third story add., 30x55 feet, slag roof,

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Residence, Ardmore, Pa. Architect, A. H. Broekie, 254 South Fifteenth street, Philadelphia. Owner, Stacy B. Lloyd, care of architect. Stone, brick, cut stone, 2½ stories, 52x40 feet, wing 16x28 feet, slag, slate, canvas roof, oak and pine floors, plumbing, rolling steel sash, tile and marble work, metal lath, hot water heat, electric light, flagstone. Architect taking bids due February 13th at noon.

Residence and Garage (4), Merion Lake, Pa. Architect, Peter F. Getz, Victory Building, Philadelphia. Owner, name withheld. Stone, 2½ stories, 78x32 feet, 1 story, 30x32 feet, alternate slate or tile roof, hardwood, maple, pine and cement floors, hot water heat, tile work, marble, metal lath, electric, plumbing. Architect will build and is taking sub-bids.

Widening Bridge No. 65, over Naylor's Road, South of Marshall road, Upper Darby, Delaware County, Pa. Owners, Delaware County Commissioners, care of County Controller, Media, Pa. Span 27 feet 4 inches; present width overall, 20 feet 10 inches; to be widened to 50 feet. Deposit of \$5.00 required (refunded). Plans and specifications may be obtained from County Controller's Office, Media, Pa. Certified check for \$500.00 required. Owners taking bids due February 17th at 11 A. M.

Country Club, Bradford, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, North Penn Country Club, care of architects. Stone. Preliminary plans.

Residence, Lewistown, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owner, S. C. Mathews, Lewistown, Pa. Frame, 2½ stories, 40x30 feet, slate roof, hardwood floors, steam heat, electric light, tile work. Plans in progress.

Church, Seventeenth and Market streets, Harrisburg, Pa. Architect, J. A. Dempwolf, Centre Square, York, Pa. Owners, Memorial Lutheran Church, Dr. Lewis Menger, Harrisburg. Granite, structural steel, 1 story and basement, 82x122 feet, slate roof, maple and tile floors, hollow tile, ornamental iron work, tile and marble, metal lath, steam heat, electric light. Plans in progress.

School and Auditorium, Mahanoy Plane, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owner, Rev. P. J. Fleming, Mahanoy Plane, Pa. Brick, frame, steel, 3 stories, 50x100 feet, composition roof, pine floors (heating, plumbing, electric separate). Plans in progress.

Court House (alts. and add.), Norristown, Pa. Architect, H. L. Reinhold, 1513 Walnut street, Philadelphia. Owners, Montgomery County, Norristown, Pa. Alterations and additions, installation of elevator (passenger). Plans completed, ready for bids.

Church and Sunday School, Warren, Pa. Architects, Charles W. Bolton & Son, Schaff Building, Philadelphia. Owners, First Methodist Episcopal Church, Rev. C. P. Geer, Warren, Pa. Stone, granite, 1 story, steam heat, electric light, plate glass, pine floors. Plans in progress. Will be ready for bids in about three weeks.

Club House, Thorndale, Pa. Architect, J. Ellsworth Doan, Coatesville, Pa. Owners, Chester County Rod & Gun Club, care of James Pugh, Coatesville, Pa. Cement block, stucco, 2 stories, 60x100 feet, composition roof, hardwood and cement floors, electric

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hardwood floors, hot water heat, electric light, tile work. Architect will be ready for bids about February 7th.

Rectory (alts. and add.), 229 North Jardin street, Shenandoah, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owner, Rev. John Mickun, 229 North Jardin street, Shenandoah, Pa. Brick and frame, third story add., 25x40 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Architect will be ready for bids about February 7th.

Church and Sunday School, Allentown, Pa. Architects, Ritcher & Eiler, 147 East Fifth street, Reading, Pa. Owners, St. Peter's Church, Rev. R. H. Ischinger, Allentown, Pa. Brick, hollow tile, steel, 2 stories and basement and mezzanine, 79x58 feet, slate or composition roof, hardwood floors, safety treads, waterproofing and dampproofing, leaded glass, plumbing, metal lath, electric light, vapor heat. Owners taking bids.

Church, Sunday School and Parsonage, Hazleton, Pa. Architects, Thomas, Martin & Kirkpatrick, Cunard Building, Philadelphia. Owners, The Christ Evangelical Lutheran Church, Rev. F. T. Easterly, 30 North Church street, Hazleton, Pa. Architect will be ready for bids in a few days.

School (add.), Greensburg, Pa. Architects, M. E. Kressly Co., 214 North Third street, Harrisburg, Pa. Owners, Greensburg School Board, Mary R. Peoples, secretary, Greensburg, Pa. Fireproof, 2 and 3 stories and basement, 160x260 feet, composition and tile roof, composition and wood floors, hollow tile, roof ventilators, waterproofing and dampproofing, ornamental iron work, iron stairs, bond, fire doors, hollow metal skylights, rolled steel sash, tile, metal lath (heating, plumbing and electric work separate). Owners will be ready for bids about middle of February.

School, Hummelstown, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Hummelstown School District, W. M. Sharp, secretary, Hummelstown, Pa. Semi-fireproof, brick, brownstone, 2 stories, 150x60 feet, composition roof, pine floors, roof ventilators, dampproofing, iron stairs, fire doors, rolled steel sash, metal lath (heating, plumbing and electric separate). Architects will be ready for bids next week.

Williamsport Central Office Building, Williamsport, Pa. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., Seventeenth and Arch streets, Philadelphia. Brick, cut stone, steel, 2 stories and basement, 77x64 feet, slag roof, cement floors, hollow tile, plumbing, waterproofing, ornamental iron work, bond, hollow metal sash, steam heat, electric light, wrought iron pipe. Architect taking bids due February 9th.

Barn and Stable, Newton Square, Pa. Architect, private plans. Owner, Charlton Yarnall, Newton Square, Pa. Stone, frame, steel, 2 stories, 42x36 feet, 38x64 feet, asbestos shingle roof, cement and cork brick floors, roof ventilators, barn. J. Gordon Fetterman, Newton Square, Pa., taking bids due as soon as possible.

Residences (20), Sunset Hill, Strafford, Pa. Architects, Lippincott & Schaef, 11 South Sixteenth street, Philadelphia. Owner, Perry Beam, care of architect. Frame, brick, 2 and 2½ stories, 24x35 feet, shingle and rubberoid roof, hardwood floors, electric light, tile work, heating undecided. Plans in progress.

Rectory, Norwood, Pa. Architects, Frank V. Nickels and C. J. Mitchell, 15 South Twenty-first street, Philadelphia. Owners, St. Gabriel's Parish, Rev. J. M. Smith, Norwood, Pa. Stone, cut stone, limestone, 2½ stories, 35x49 feet (heating, plumbing, electric reserved), slate roof, oak and pine floors, bond, ornamental iron work, bluestone. Architects taking bids due February 6th, 10.30 A. M.

Church (alts. and add.), Windsor and Greling avenue, Narberth, Pa. Architect, Osborne H. Graves, 112 Merion avenue, Narberth, Pa. Owners, Narberth Presbyterian Church, Narberth, Pa. Stone, brick, hollow tile, cut stone, 1½ stories, 78x74 feet, slate roof, cement and pine floors, carpentry and mill work, painting and glazing, hardware, shoring, waterproofing and dampproofing, ornamental iron work, iron stairs, steel casements, bluestone, limestone. Architect taking bids due February 6th.

Residence, Academy Manor, Pa. Architect, C. J. Lappley, Cotterel-Ebner Building, Harrisburg, Pa. Owner, A. G. Eden, 925 North Front street, Harrisburg, Pa. Brick, cinder block, cut stone, stucco, 2 stories, 63x38 feet, hardwood floors, Spanish tile roof, steam heat, electric light, tile and marble work. Architect taking revised bids due February 15th.

Store Front, Reading, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owner, J. C. Mumma, 613 Penn street, Reading, Pa. Plate glass, bronze work, hardwood floors, limestone, ornamental iron work. Architect taking bids.

Stores (8), Apartments (24), Baltimore, between Church and Beverly road, Fernwood, Pa. Architect, Willis A. Hall, Upper Darby Post Office Building, Upper Darby, Pa. Owner, F. C. Hoopes, care of Rufus Hoopes Co., Third and Baltimore avenue, Fernwood, Pa. Brick, stone, steel, terra cotta, 3 stories and basement, 133x150 feet, irregular, composition roof, oak floors, vapor heat, electric light, tile work. Owner taking bids due as soon as possible.

Church, St. Clair, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. John's Reformed Church, Rev. H. A. Behrens, St. Clair, Pa. Brick, steel, 1 story, 96x60 feet, slate roof, hardwood floors, hollow tile, waterproofing and dampproofing, cast stone, vapor heat, electric light, tile work. Owners taking revised bids due February 15th.

High School, Lewisburg, Union County, Pa. Architect, W. G. Eckels Co., New Castle, Pa. Owners, Board of Education, Lewisburg, Pa. Brick, steel, 1 story and basement, 281x82 feet, wing 120x68 feet, slag roof, mastic and maple floors, roof ventilators, waterproofing, ornamental iron work, bond, galvanized iron skylights, metal lath, cast stone, acoustic treatments. Owners taking bids due March 2nd.

House (alts. and add.), 1601 North Front street, Harrisburg, Pa. Architect, A. Kelsey, Perry Building, Philadelphia. Owners, Mr. and Mrs. Francis Hall, on premises. Brick, limestone, 2 and 1 stories, 16x9 feet, 20x24 feet, tin roof, tile and hardwood floors, steam heat, electric light, tile work, ornamental iron work. Architect taking bids due as soon as possible.

Masonic Home, Bethlehem, Pa. Architect, William H. Lee, 1505 Race street, Philadelphia. Owners, Bethlehem Temple Association, Bethlehem, Pa. Brick, hollow tile, 2 stories and 2 mezzanines, 148x64 feet, slag roof, pine and maple floors. Architect taking bids due February 19th.

Equipment, Norristown State Hospital, Norristown, Pa. Architect, private plans. Owners, Norristown State Hospital, Norristown, Pa. Forced draft, mechanical stokers, steam jet ash conveyors. Owners taking bids due February 16th, 5 P. M. Deposit, \$10. Refund, \$10. Specifications may be obtained upon personal application at the office of the steward.

High School, Annville, Pa. Architect, E. Z. Scholl, 136 Robeson street, Reading, Pa. Owners, Annville School Board, Mr. Wagner, secretary, Annville, Pa. Fireproof, 2 stories, 160x95 feet, composition roof, hardwood floors (heating, electric work and plumbing reserved). Lowest bid submitted by J. H. Greiner, Lebanon, Pa., \$136,000.

Road Work, Pennsylvania. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa. Low bidders on road work opened January 24th, 1925:

Bradford and Wyoming Counties, R-241, Meshoppen, Brainbrim and Tuscarora Townships, Meshoppen and Laceyville Borough, length 53,926 feet. One course reinforced concrete. Public Service Prod. Co., Newark, N. J., \$642,462.39.

Mercer County, R-73, Grove City Borough, 3,048 feet. Bituminous surface course on concrete foundation. Allegheny Paving Co., Pittsburgh, Pa., \$37,869.80.

Elk County, R-59, Horton Township, 31,743 feet. One course reinforced concrete. W. C. Quick & Co., Brookville, Pa., \$296,782.80.

Indiana County, A-985, Canoe Township, 7,904 feet. One course reinforced concrete. Milligan & Ringler, Blairsville, Pa., \$67,646.74.

Crawford County, R-84, Hayfield and Weedcock Townships, 900 feet. Grading and drainage. Milliron Const. Co., Dubois, Pa., \$7,152.76.

Bradford County, R-17, Monroe and Albany Townships, Albany Borough, 32,153 feet. One course reinforced concrete. Horn & Devling, Galeton, Pa., \$367,993.86.

Beaver County, R-204, Bridgewater Borough, 6,449 feet. One course reinforced concrete. McDermott Const. Co., Niles, Ohio, \$77,773.16.

Perry County, R-31, Center and Oliver Townships, 26,328 feet. One course reinforced concrete. Swanger & White, Lebanon, Pa., \$253,965.60.

Clearfield County, R-219, 313, Morris and Cooper Townships, 16,831 feet. One course reinforced concrete. Avery & Bailey, Phillipsburg, Pa., \$148,432.40.

Clearfield County, R-234, A-3096, Beccaria Township, 12,986 feet. One course reinforced concrete. Lord Const. Co., Hastings, Pa., \$142,222.50.

Bradford County, R-14, Pike and Wyalusing Townships, 39,290 feet. One course reinforced concrete. David Schoentag, Inc., Sangerties, N. Y., \$460,217.65.

Mercer County, R-206, A-3203, Jamestown Borough. One course reinforced concrete. Dubois Const. Co., Dubois, Pa., \$11,700.55.

Somerset County, A-3050, R-52, Conemaugh Township, 16,118 feet. One course reinforced concrete. McClure & Bingner Co., Inc., Johnstown, Pa., \$146,959.80.

Somerset County, A-3158, R-52, Somerset Township, 5,230 feet. One course reinforced concrete. A. W. Hinaman, Mansfield, Pa., \$40,951.95.

Washington County, R-242, Hopewell and Independence Townships, West Middleton Borough, 9,658 feet. One course reinforced concrete. Jones Const. Co., Salem, Ohio, \$107,535.40.

Clearfield County, R-62, Bell and Burnside Townships, Burnside Borough, 62,976 feet. One course reinforced concrete. R. H. Cunningham & Sons Co., Turtle Creek, Pa., \$673,572.45.

Road Work, Pennsylvania. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa. Low bidders on work opened January 23rd, 1925:

Allegheny County, R-70, Tarentum Borough, 3,938 feet. One course reinforced concrete. Rinehart Brothers, East Liverpool, Ohio, \$56,318.75.

Bedford County, R-48, Cumberland Valley and Bedford Townships, 56,845 feet. One course reinforced concrete. Bester-Long Co., Hagerstown, Md., \$544,146.10.

Somerset County, R-50, A-3049, Somerset Township, 18,210 feet. One course reinforced concrete. A. W. Hinaman, Mansfield, Pa., \$164,336.20.

Greene County, R-110, Whiteley and Perry Townships, Mt. Morris Borough, 37,253 feet.

One course reinforced concrete. Thomas Cronin Co., Pittsburgh, Pa., \$532,167.80.

Susquehanna County, R-174, Clifford Township, 11,162 feet. One course reinforced concrete. John Booth, Carbondale, Pa., \$120,880.60.

Susquehanna County, R-10, A-1067 and 976, Great Bent and Oakland Townships, Oakland Borough, 19,297 feet. One course reinforced concrete. The Lane Const. Co., Meriden, Conn., \$169,962.18.

Berks County, R-149, Spring Township, Wyomissing Borough, 3,188 feet. One course reinforced concrete. Continental Const. Co., Baltimore, Md., \$74,616.16.

Butler County, R-251, Parker Township, Bruin Borough, 16,917 feet. One course reinforced concrete. Rood Const. Co., Butler, Pa., \$210,765.35.

Franklin County, R-340, Hamilton Green and Letterkenny Townships, 36,975 feet. One course reinforced concrete. Souder Const. Co., Lancaster, Pa., \$271,264.14.

Clarion County, R-92, Elk and Washington Townships, Shippensburg Borough, 32,164 feet. One course reinforced concrete. Joseph McCarty Const. Co., Union City, Pa., \$261,184.50.

Washington and Greene Counties, R-325, Amwell and Washington Townships, 28,192 feet. One course reinforced concrete. Thomas Cronin Co., Pittsburgh, Pa., \$366,772.10.

York County, A-550, Fawn Grove Borough, 6,143 feet. One course reinforced concrete. Harry T. Campbell Sons Co., Inc., Towson, Md., \$57,647.88.

Warren County, R-88, Broken Straw and Conewago Townships, 2,857 feet. Grading and drainage. Earl C. Jones, Great Valley, N. Y., \$50,555.15.

Luzerne County, R-169, Bear Creek and Plains Townships, 31,139 feet. One course reinforced concrete. Richard Hopkins Co., Albany, N. Y., \$318,950.20.

Susquehanna County, R-296, A-1636, Lanesboro and Susquehanna Borough, 9,982 feet. One course reinforced concrete and hillside vitrified brick. Holleran Bros., Elmira, N. Y., \$102,106.50.

Potter County, R-236, A-3063, Sharon Township, 12,831 feet. One course reinforced concrete. United Const. Co., Lock Haven, Pa. Crushed stone, \$108,445.45; gravel, \$101,602.45.

Pennsylvania Contracts Awarded

Residence, Bell's Mill road, Chestnut Hill, Pa. Architects, Willing, Sims & Talbutt, 128 South Eighteenth street, Philadelphia. Owner, Lewis N. Lukens, Jr., 132 South Fourth street, Philadelphia. Stone, 2½ stories, 61x20 feet, wing 21x10 feet, garage, 20x20 feet, slate roof, oak, pine and cement floors, tile and marble, ornamental iron work, flagstone. Contract awarded E. R. Hall, 34 South Seventeenth street, Philadelphia.

Residences and Garages (6), Strafford, Pa. \$15,000 each. Architect, N. R. Dalton, 421 South Carlisle street, Philadelphia. Owners, Strafford Realty Co., Strafford, Pa. Stone, stucco, frame, 3 stories, 45x25 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded S. A. Sims, 2313 Walnut street, Philadelphia, not signed.

Residence and Garage, St. David's, Pa. Architect, E. K. Taylor, 1416 Chestnut street, Philadelphia. Owner, O. V. Kruse, care of architect. Hollow tile, stucco, 2½ stories, 67x25 feet, garage 16x20 feet, shingle roof, pine and oak floors, hot air heat, electric light, tile work, steel casement windows. Contract awarded C. C. Pace, Cynwyd, Pa.

Residence, No. 62, Merion, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, name withheld. Stone, 2½ stories, 28x70 feet, slate roof, pine and oak floors, tile work (plumbing, heating and electric reserved). Contract awarded A. Zellfelder, 1324 Walnut street, Philadelphia.

Sunday School, Red Lion, Pa. Architects, Gemmill & Billmeyer, Rosenmiller Building, York, Pa. Owners, Reformed Lutheran Church, care of architects. Brick, 1 story and basement, 74x54 feet, slate roof, maple floors, steam heat, electric light. Contract awarded to C. C. Rexroth, Red Lion, Pa., who will build by day work.

School, Elkins Park, Pa. Architects, Paul A. Davis, 3rd, & Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, School Board of Cheltenham Township, Pa. Contract awarded: Heating, D. J. Keating, 2042 Rittenhouse Square, Philadelphia, \$61,776. Plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia.

New Jersey Construction News

Convent, Collingswood, N. J. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owners, St. John's Roman Catholic Church, Rev. O'Farrell, Collingswood, N. J. Stone, brick, stucco, 3 stories, 25x50 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Plans in progress. Architect will be ready for bids in 3 weeks.

Bank, Fifth and Market streets, Camden, N. J. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Land Title Guaranty Co. of N. J., Mr. Halyburton, on premises. Brick, cut stone, steel, 2 stories and basement, 100x38 feet, slag roof, rubber and cement floors, plumbing, ornamental iron work, kalamein and hollow metal doors, rolled steel sash, tile, marble and terrazzo work, steam heat, electric light, bronze work. Architects taking bids due February 18th.

Bungalow, Audubon, N. J. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, Harry L. Grant, Audubon, N. J. Stone and frame, 1½ stories, 35x60 feet, asbestos shingle roof, hot water heat, electric light, tile work, hardwood floors. Working plans in progress.

Stores (3) and Apartment Building, Woodbury, N. J. Architect, Edward Schoeppe, 316 South Fifteenth street, Philadelphia. Owner, name withheld. Brick, 2 stories, 50x62 feet, slag roof, pine floors, hot water heating, electric light, metal bulks, metal ceilings, plate glass. Plans completed. Architect will take bids in a few days.

Grade School (add. and alts.), Red Bank, N. J. Architect, Ernest Arend, 105 West Fortieth street, New York City, also Asbury Park, N. J. Owners, Board of Education, Red Bank, N. J. Brick, reinforced concrete and steel, 3 stories, 164x101 feet, slag roof, maple floors, metal ceilings, architectural terra cotta, ornamental iron work, bond, kalamein doors, galvanized iron skylight, metal lath. Owners taking bids due February 17th.

School, Delanco, N. J. Architect, H. Ziegler, Riverside, N. J. Owners, Beverly Township Board of Education, Delanco, N. J. Brick, cut stone, 1 story and basement, 239x103 feet, wing 76x67 feet, slag roof, cement and maple floors, metal lath, rolling steel sash and skylights, kalamein doors, bond, ornamental iron work (plumbing, heating, electric reserved). Owners taking bids due February 9th, 8 P. M.

Residence, Margate City, N. J. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, Mrs. Maye McGregor, care of architect. Cinder block, 2 stories, 32x42

feet, hot water heat, electric light, asbestos roof, hardwood floors. Owner taking bids.

Residence, 24 Fischer street, Trenton, N. J., \$12,000. Architect, private plans. Owner, J. W. Thompson, State and Clinton streets, Trenton, N. J. Frame, 2½ stories, 32x42 feet, shingle roof, hardwood and pine floors, electric light, tile work. Owner will build.

Residences (2), Rutherford street, Trenton, N. J., \$9,000. Architect, private plans. Owner, H. J. Thorp, 224 Wayne avenue, Trenton, N. J. Brick, 2½ stories, 28x44 feet, slate roof, pine floors, electric light. Owner will build.

Residence, 2932 North Congress Road, Camden, N. J., \$3,500. Architect, private plans. Owner, John J. Petre, Jr., 3007 Congress Road, Camden, N. J. Block and stucco, 1½ stories, 24x38 feet, asphalt shingle roof, hot water heat, electric light. Owner will build.

New Jersey Contracts Awarded

Fire House, Audubon, N. J. Architect, William D. Hopkins, Audubon, N. J. Owners, Volunteer Fire Co., Audubon, N. J. Brick, steel, 2 stories and basement, 40x60 feet, slag roof, concrete and maple floors, plumbing, hot water heat, electric light, bond. Contract awarded Bennett McLaughlin, 3260 Ludlow street, Philadelphia.

Church and Parsonage, West Collingswood, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, West Collingswood M. E. Church, Collingswood, N. J. Stone, cinder block, steel, one story and basement, 41x89 feet, wing 55x41 feet, slate roof, cement and maple work, electric light, composition stone, bluestone, Venzrie block system. Contract awarded Bennett McLaughlin, 3260 Ludlow street, Philadelphia.

Hall, Palmyra, N. J., \$15,000. Architect, private plans. Owners, Knights of Columbus, Palmyra, N. J. Hollow tile and stucco, two stories, 32x45 feet (plumbing, heating and electric reserved), tin roof, pine floors, ornamental iron work. Contract awarded H. B. Miller, Edgewater Park, N. J.

Residence (alts. and add.), Riverton, N. J. Architect, J. Fletcher Street, 1120 Locust street, Philadelphia. Owner, Mrs. Russell Gausler, Riverton, N. J. Stone, 2½ stories, 42x35 feet, slate roof, hardwood floors, steam heat, electric light, tile and marble work, plumbing. Contract awarded L. F. Lowden, Riverton, N. J. Heating, W. B. Lynch, Riverton, N. J.

Recorder's Court (alts.), Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, City Commissioners, City Hall, Atlantic City, N. J. General interior alterations (heating and plumbing reserved). Contract awarded Lam Building Co., 1001 Wood street, Philadelphia.

Residence, Woodside avenue, Trenton, N. J. Architect, private plans. Owner, Wm. H. Hayes, 659 Edgewood avenue, Trenton, N. J. Frame, one story, 22x26 feet, slate roof, pine floors, electric work. Contract awarded to Wm. Roessler, 248 Euclid avenue, Trenton.

Residences (3 pairs), Trenton, N. J., \$18,000. Architect, D. A. Pulone, 249 Hamilton street, Trenton, N. J. Owner, John Mortonick, 99 Mulberry street, Trenton, N. J. Brick and frame, two stories, 26x42 feet, slate roof, pine floors, electric lighting. Contract awarded to Joseph Masco, care of architect.

Cates & Shepard, electrical contractors, announce that they have removed their executive offices, as well as the construction and mechanical departments, to 1936-38 Delancey street, Philadelphia.

Miscellaneous Construction News

Jetty Construction, Wilmington, Del. Owners, United States Engineers' Office, Wilmington, Del. Furnishing and delivering stone for jetty construction. Owners taking bids due February 27th at 11 A. M.

Infirmary Building, Dover, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owners, Murphy School, care of architect. Fireproof, hollow tile and brick, one story, 45x80 feet, tile roof, composition floors, hollow tile, ornamental iron work, tile and marble work, metal lath, electric light, heating extension. Plans in progress.

Administration Building, Dover, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owners, Murphy School, care of architect. Fireproof, brick and hollow tile, 2½ stories, 45x110 feet, slate roof, hardwood floors, heating extension, electric lighting, metal lath, tile and marble work, ornamental iron work. Plans in progress.

Medical Arts Building, 411-13 Delaware avenue, Wilmington, Del. Architect, C. R. Hope, DuPont Building, Wilmington, Del. Owner F. V. DuPont, Ninth and Broome Sts., Wilmington, Del. Brick, structural steel, Indiana limestone, one story, 72x93 feet, composition roof and floors, hollow tile, damp-proofing, architectural terra cotta, iron stairs, bond, hollow metal doors, metallic elevator doors, metal skylights, tile, marble and terrazzo work, vapor heat, electric light. Architect taking bids, due February 5th.

Stores (3), 411-13 Delaware avenue, Wilmington, Del. Architect, C. R. Hope, DuPont Building, Wilmington, Del. Owner, F. V. DuPont, Ninth and Broome Sts., Wilmington, Del. Structural steel, brick, one story, 72x93 feet, built-up composition roof, hollow tile, metal ceilings, vapor heat, electric light, metal lath, tile and marble, skylights, hollow metal doors, architectural terra cotta. Architect taking bids, due February 5th.

Hotel, Old Point Comfort, Va. Architects, McLanahan & Bencker, 1418 Walnut street, Philadelphia. Owners, Old Point Comfort Hotel Co., Old Point Comfort, Va. Brick, steel and reinforced concrete, 10 stories, 325 rooms. Plans in progress.

Residence (alts.), Hagerstown, Md. Architect, H. E. Yessler, Schmidt Building, York, Pa. Owner, C. D. Miller, Hagerstown, Md. General alterations, vapor heat, electric light, tile work, hardwood floors. Plans in progress.

Junior High School, New Rochelle, N. Y. Architects, Starrett & VanBrock, 8 West 40th street, New York City. Owners, Board of Education, New Rochelle, N. Y. Brick, steel, cast stone, three stories and basement, 95x50 feet, wing 68x26 feet, 115x63 feet, 60x72 feet, 161x40 feet, Barrett's Spec. roof, wood block, cement and maple floors, hollow tile, roof vents, waterproofing, ornamental iron work, floor hardener, bond, rolled steel skylights, hollow metal sash, tile, marble and terrazzo work, metal lath, soapstone. Owners taking bids, due February 24th.

Police Department Headquarters, Baltimore, Md. Architect, J. Pennington, Pleasants Pennington, Baltimore, Md. Owners, Board of Awards, F. A. Dolfield, City Hall, Baltimore, Md. Brick, granite, limestone, steel, five stories and basement, 239x160 feet, Barrett Spec. roof, cement and pine floors, electric, elevator, ornamental iron work, bond, kalamein and hollow metal doors, plumbing, metal window guards, waterproofing, brass pipe, rolled steel sash and skylights, marble and terrazzo work, metal lath, steam heat, electric lighting, bronze doors, metal partitions, cast and wrought iron pipe. Owners taking new bids, due February 12th.

Miscellaneous Contracts Awarded

Lock No. 51, Goleondo, Ill., \$1,300,000. Engineers, U. S. Engineers, Louisville, Ky. Owners, U. S. Government, Army Engineering Department, Washington, D. C. Cement, stone and steel. Contract awarded U. G. I. Cont. Co., Broad and Arch streets, Philadelphia.

Home (add.), S. E. Cor. Thirty-fifth and Market streets, Wilmington, Del., \$5,496. Architect, private plans. Owners, Layton Old Folks Home, on premises. Hollow tile, two stories, 16x39 feet, slag roof, pine floors, electric lighting. Contract awarded to Smyth Const. Co., Delaware Trust Building, Wilmington, Del.

(Continued from Page 68)

fect which the automobile is producing in increasing the demand for road construction and in causing migration of population in many of our towns to new housing in the suburbs. Another effect of these forces is to maintain rents out of line above the general price levels. With our high real wages and little unemployment, there is no reason to expect any material change in the course of this industry.

"The annual survey of the Department of Commerce shows that the New Year begins with the economic structure of the world upon more solid foundations than at any time since the war. With the exception of a few spots of secondary importance, there has been during the past year a real advance toward social, economic, and political stability throughout the world. The only exceptions are Russia and China, which even before the war contributed less than 3½ per cent. of international commerce and of course a part of this continues. Generally the world is producing more good, there is fuller employment, there are higher standards of living, more assurance of economic stability for the future and more promise of peace than we have seen for many years. The world is by no means free from liability to economic shock, yet the forces today in motion all tend to great promise for the forthcoming year.

"Savings continue at a very high rate as indicated by the increasing savings deposits, the large absorption of bond issues, and the extraordinary expansion in insurance, thus demonstrating that there has been maintained a high state of efficiency throughout industry and commerce, with little evidence of waste, extravagance and speculation. In fact, the most far-reaching movement in our economic life today is the larger understanding of its broad problems, the better appreciation of the factors of stability, and the definite progress in the elimination of waste through more stable employment, through better administrative methods and through the rapid march of scientific discovery. That we are able to main-

tain wages at 100 per cent. above the pre-war while the cost of living is 72 per cent., and the average wholesale price of commodities about 50 per cent. above pre-war, is the very definite proof of increasing efficiency in production and distribution and of the free flow of competitive action."

Comparative Activity in 19 Types of Building

With this article will be found an interesting comparative tabulation of the relative demands for different types of buildings in various sections of the country. These are expressed in percentages of the total demand and in order that comparisons may be made easily, the percentages from the 1924 Forecast are given beside the percentages for 1925.

An examination of these percentages of demand, comparing prospects for 1925 with those of the past year, indicates some interesting comparisons in various building types. The national percentages given in the right hand column indicate the variation of public interest in the various new building types. Of the total volume of new construction in 1925, the various building types evidently will show the following change in ratio of public interest as compared with 1924:

Type of Building—Comparative Activity

- Banks—slightly less.
- Apartments—slightly greater.
- Apartment Hotels—about 20 per cent. less.
- Clubs and Fraternal—slightly greater.
- Community and Memorial—slightly less.
- Churches—considerably greater.
- Small Dwellings—slightly greater.
- Medium Sized Dwellings—the same.
- Large Dwellings—slightly less.
- Hotels—about 25 per cent. less.
- Hospitals—slightly less.
- Industrial Buildings—slightly greater.
- Office Buildings—slightly greater.
- Public buildings—about 20 per cent. greater.
- School Buildings—the same.
- Retail Stores—about 25 per cent. greater.
- Theaters—slightly less.
- Welfare Buildings—slightly greater.

It is to be understood that the above tabulation shows relative public interest—not the volume of money to be spent in 1925.

Examining the tabulation further, some interesting comparisons of activity are to be found in the various districts of the country. Those which seem to represent the greatest changes in public interest, are, for instance, office building in the Northeastern States, the figures for which indicate almost double the activity

Percentage of Public Demand for New Buildings—A Comparison Between the Years 1924 and 1925

The figures shown below are percentages indicated for various building types and geographical localities. The percentages are those from the Architectural Forum Building Forecast for 1924 and for 1925. Each indicates the relative proportion of the total amount of prospective building represented by the specific building type. Percentages for the two years are presented together in each division so that the variation of interest in each type and district may be clearly shown.

Comparative Activity in Various Building Types During 1925

To demonstrate the use of this table we may take for instance the situation of bank building in the Northeastern States for 1925 as compared to 1924. In the chart the figures show that bank building in the forecast for 1924 in the Northeastern States represented 6.9% of total prospective building for that district. In 1925 bank building represents only 1.6% of the total forecast for the district. This comparison indicates that there will be much less bank building in the Northeastern States during 1925 than in 1924. On the other hand the office building situation in this district evidences twice as much activity in 1925. Similarly comparisons may be made for the 19 building types in 6 geographical divisions of the country.

Type of Building	Northeastern States		North Atlantic States		Southeastern States		Southwestern States		Middle States		Western States		United States	
	1924 %	1925 %	1924 %	1925 %	1924 %	1925 %	1924 %	1925 %	1924 %	1925 %	1924 %	1925 %	1924 %	1925 %
AUTOMOTIVE	4.4	3.2	3.1	2.	1.8	2.	2.	2.8	2.4	3.3	1.8	4.	2.6	2.9
BANKS	6.9	1.6	4.9	4.4	3.2	3.4	1.8	4.4	3.1	2.9	2.	2.6	3.7	3.3
APARTMENTS	8.1	9.5	12.7	15.6	8.2	10.6	6.	9.1	8.	10.1	16.	6.6	9.8	10.2
APARTMENT HOTELS	7.2	3.6	6.3	3.8	2.1	4.1	1.	4.7	8.6	4.6	5.	3.4	5.	4.
CLUB AND FRATERNAL	5.4	7.4	4.4	5.9	6.1	4.1	6.	4.3	6.8	7.5	4.9	6.5	5.6	6.
COMMUNITY AND MEMORIAL	7	1.7	1.6	1.3	.7	.4	2.2	1.1	.9	.9	2.8	1.6	1.5	1.2
CHURCHES	5.1	5.4	4.8	5.9	6.9	9.4	7.	11.9	4.8	9.2	5.9	6.3	5.8	8.
DWELLINGS (under \$20,000)	4.2	3.8	6.3	6.	3.8	6.	4.2	3.8	2.7	3.9	3.2	3.6	4.1	4.5
DWELLINGS (\$20,000 to \$50,000)	2.7	2.2	3.	2.1	2.4	3.6	2.5	1.7	1.4	1.9	1.2	1.9	2.2	2.2
DWELLINGS (above \$50,000)	2.6	1.1	1.8	1.3	.9	.9	1.9	1.4	.8	.9	1.3	1.2	1.6	1.1
HOTELS	6.1	8.1	9.5	5.4	23.6	17.6	15.9	6.	11.8	10.	11.	8.	13.	9.2
HOSPITALS	3.4	3.3	5.7	4.9	3.4	2.8	6.9	5.6	6.2	3.9	4.6	6.7	5.	4.5
INDUSTRIAL	8.2	9.1	10.1	6.3	4.7	4.	2.8	4.4	7.7	11.	4.7	6.3	6.5	6.9
OFFICE BUILDINGS	4.5	9.4	7.	12.2	7.1	6.9	13.1	11.4	9.2	6.3	13.3	11.6	9.	9.6
PUBLIC BUILDINGS	2.3	1.9	1.3	2.9	2.7	2.7	6.4	4.2	2.8	3.2	3.3	8.9	3.1	4.
SCHOOLS	18.4	18.9	12.9	14.5	19.1	15.2	11.4	16.4	15.4	14.2	12.5	11.6	15.	15.1
STORES	1.8	3.7	2.1	2.5	1.8	2.8	1.3	2.1	3.1	2.7	2.7	3.6	2.1	2.9
THEATRES	7.	5.8	1.8	2.	1.	2.8	6.9	2.7	3.7	2.6	2.3	3.4	3.8	3.2
WELFARE (Y. M. C. A. etc.)	1.	.3	.7	1.	.5	.7	1.7	2.	.6	.9	1.5	2.2	1.	1.2

BUILDING TYPES	N. EASTERN STATES	N. ATLANTIC STATES	S. EASTERN STATES	S. WESTERN STATES	MIDDLE STATES	WESTERN STATES	U.S.A.
Automotive	\$13,038,000	\$37,896,000	\$3,381,000	\$8,604,000	\$53,691,000	\$25,848,000	\$142,458,000
Banks	6,939,000	79,770,000	6,255,000	13,791,000	46,431,000	16,935,000	170,121,000
Apartments	39,879,000	284,931,000	19,077,000	28,881,000	163,779,000	42,810,000	579,357,000
Apartment Hotels	15,030,000	69,270,000	7,275,000	14,670,000	75,165,000	21,945,000	203,355,000
Clubs Fraternal, etc.	31,020,000	107,028,000	7,455,000	13,689,000	121,317,000	41,283,000	321,792,000
Community Memorial	7,023,000	24,054,000	765,000	3,765,000	14,454,000	10,971,000	61,032,000
Churches	22,389,000	106,740,000	16,905,000	37,494,000	150,063,000	39,885,000	373,476,000
Dwellings ^(Under \$20,000)	15,837,000	109,281,000	10,809,000	11,904,000	64,497,000	23,394,000	235,722,000
Dwellings ^(\$20,000 to \$50,000)	9,303,000	36,636,000	6,594,000	5,622,000	31,086,000	12,699,000	101,940,000
Dwellings ^(Over \$50,000)	4,710,000	21,717,000	1,620,000	4,635,000	15,036,000	7,812,000	55,530,000
Hotels	33,615,000	95,874,000	31,710,000	19,035,000	160,824,000	52,635,000	393,693,000
Hospitals	13,620,000	88,770,000	4,980,000	17,448,000	61,395,000	42,825,000	229,038,000
Industrial	37,770,000	115,089,000	7,191,000	13,698,000	178,050,000	40,569,000	392,367,000
Office Buildings	39,303,000	222,441,000	12,426,000	36,039,000	103,359,000	75,051,000	488,619,000
Public Buildings	8,103,000	51,981,000	4,911,000	12,666,000	51,510,000	57,930,000	187,101,000
Schools	79,335,000	263,784,000	27,291,000	51,687,000	229,641,000	75,120,000	726,858,000
Stores	15,630,000	45,030,000	4,965,000	6,708,000	41,685,000	23,220,000	137,238,000
Theaters	24,450,000	36,495,000	4,944,000	8,484,000	40,512,000	21,096,000	135,981,000
Welfare Y.M.C.A., etc.	1,353,000	18,417,000	1,305,000	6,171,000	15,096,000	14,298,000	56,640,000
TOTAL VALUE OF NEW BUILDINGS	\$418,347,000	\$1,815,204,000	\$179,859,000	\$314,991,000	\$1,617,591,000	\$646,326,000	\$4,992,318,000

© THE ARCHITECTURAL FORUM

of last year while in the same district the building of retail stores promises to be almost double. Drastic changes in the North Atlantic States are to be found in industrial building which promises to be considerably less in 1925 and in office building which indicates a considerably greater activity. In the Southeastern States most building types are comparatively the same except Churches, where greater activity is promised and in the small dwelling field, which evidently is to be more active. The interest in hotel building in both Southeastern and Southwestern States has evidently diminished considerably. While in the Southeastern States school building is evidently to be less, it will be considerably greater in the Southwestern States. On the other hand, in the Southeastern States there will be more residential building than last year but considerably less activity in this field in the Southwestern States. The Middle States seem to show a considerable decrease of interest in the building of apartment hotels, while apartment building construction will be more active. Greater activity is promised in the residential field in all classes in the Middle States and a considerable increase in factory building is shown. Office building activity will be about one-third less than in 1924 in the Middle States. In the Western States apartment building evidently will fall off considerably as will hotel building, but there will be more activity in the construction of hospitals, club and fraternal buildings and factory buildings. Office building construction in the Western States will be somewhat

less but a great interest in the volume of new public buildings is anticipated. Other comparisons in these various classifications may be made for each of the six districts shown in this tabulation. While these percentages cannot be applied with specific accuracy, they do nevertheless represent a clear picture of the trends in each district.

THE ARCHITECT AND THE BUILDER

The Architect is the Medium of Exchange between the man who wants a building and the man who builds.

First of all, he must show the one, the kind and class of building desired, and the other a complete survey of what he is to build.

Changes from the original design will very often be made as the work proceeds—sometimes certain features must be added that were overlooked at the time the plans were drawn. This is to be expected as the Architect is human and the ultimate owner wishes to pay for all he gets (or he should), and the builder wishes to give for all he receives (or he should), and the Architect should see that they are both accommodated.

The Architect does not always take the stand of impartial arbitrator as he should, but, on the other hand, very often acts to the extent of arbitrary agent for the owner only.

In the view of common justice this is not the correct position! Justice in dealings between men should at all times be dealt out in full measure both ways, no

more and no less, and in this instance the Architect is the dealer.

I have often appealed to the sense of justice on the part of the Architect as to what should or should not be done under the terms of the contract and in all fairness I must say that he has rarely if ever, ignored this plea when properly presented and he realized that the builder wished to give full measure for the same amount received.

Incidentally, the contract should be an impartial document with due respect to equal rights of both parties and so written that any man of average intelligence will understand its terms, and further, that there be no discrepancies between it and the plans and specifications. It is not only best, but the height of discretion, to give all necessary attention to this feature of the project, before proceeding any further in the premises.—*Associated Building Contractor of Illinois.*

ENGLAND TO SPEND \$5,816,800,000 FOR HOUSING

Thousands of British house hunters who have been looking in vain for permanent lodgings since the end of the World War, now have a new hope of findings homes within the next fifteen years at least, if the Labor Government's scheme to erect houses costing \$5,816,000,000 is carried out.

It is intended to erect 90,000 houses in 1925, increasing to 225,000 annually during the period from 1934 to 1939 and the cost thereof to be distributed over a term of forty years.

Reference Directory for Architects, Builders and Owners

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Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

ASPHALT CONSTRUCTION.

Rulon, Ralph V.239 N. 30th St., Phila.

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Blue Print Shop.....1520 Sansom St., Phila.
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BUILDING NEWS.

Daily Building News.....Perry Bldg., Phila.

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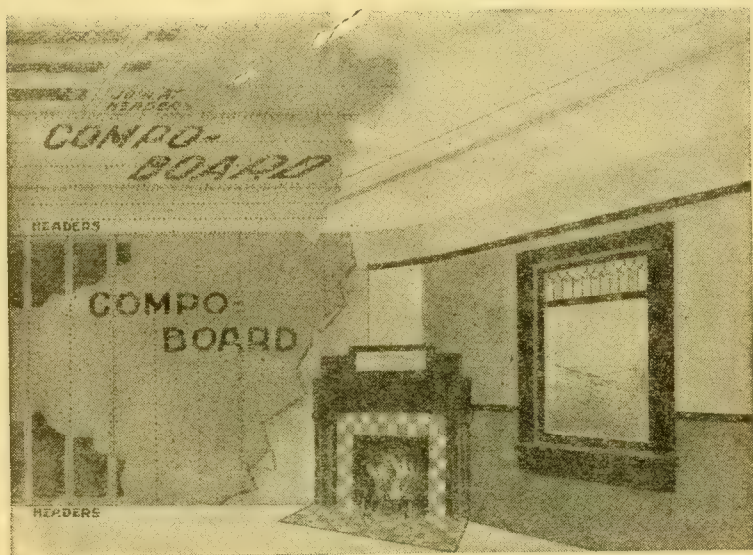
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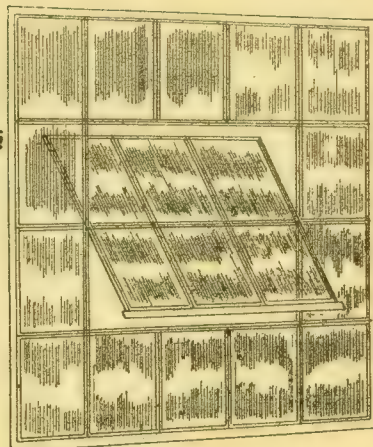
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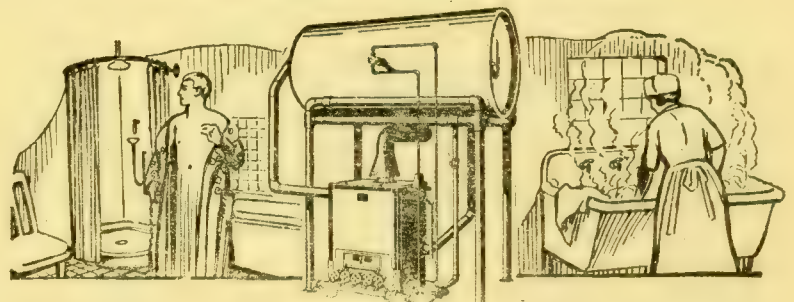
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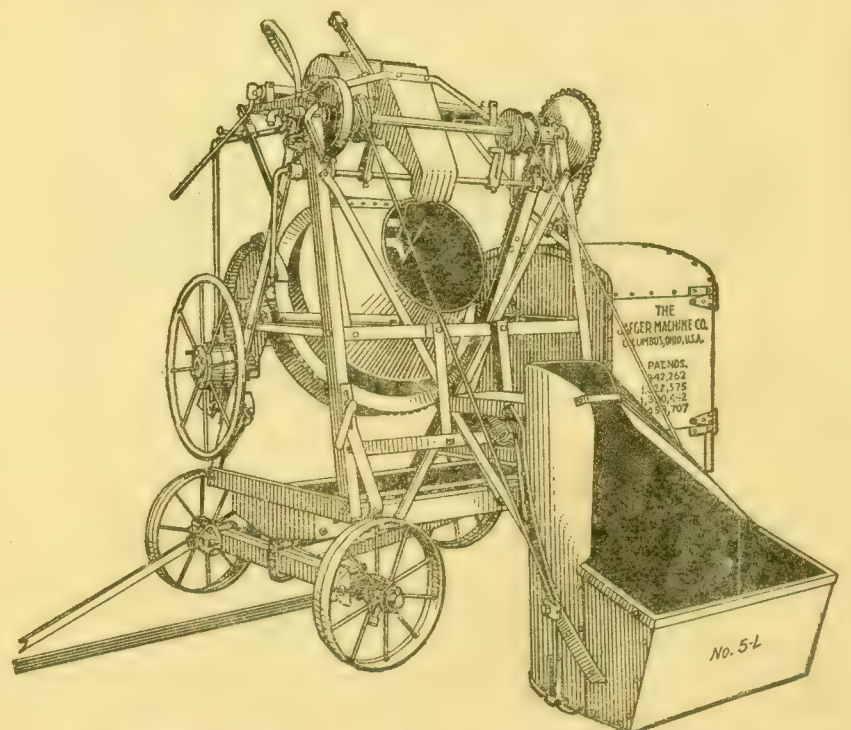
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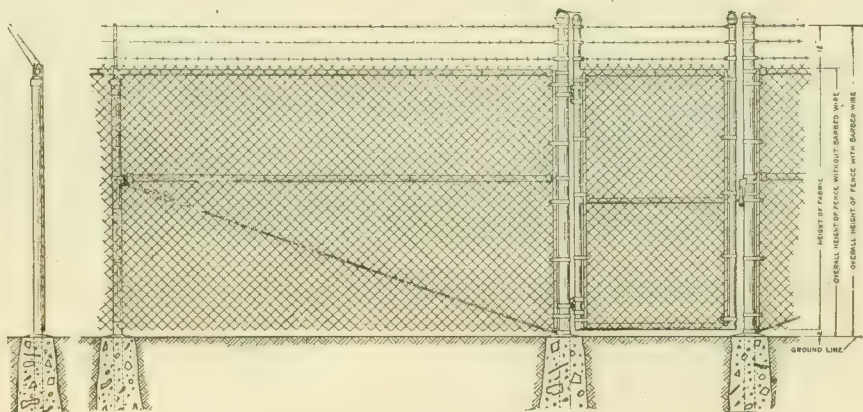
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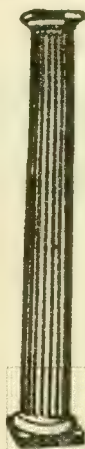
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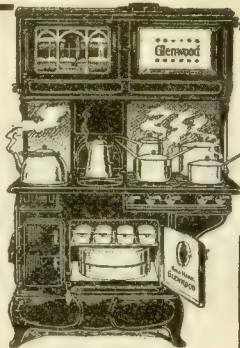
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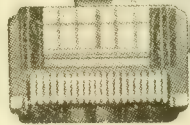
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VOLUME XL
Number 6

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February 11, 1925

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As The Editor Sees It



SUMMARY OF SPEECH OF W. A. GATELY BEFORE RETAIL LUMBER DEALERS' ASSOCIATION

Where chaos has been allowed to continue indefinitely in manufacture or distribution of common commodities, there has arisen a tendency on the part of the public to call for legislation, W. A. Gately of the Division of Simplified Practice, Department of Commerce, told the retail lumber dealers' recent meeting.

One such tendency which was allowed to go through to the point of legislative restriction in one of the wood-using industries, he said, was found in the case of fruit and vegetable baskets. In this instance Congressional action fixed the standards.

The lumber industry, he continued, faced with similar possibilities arising from chaotic conditions which were partly due to heritage, to varying demands and other causes, has by the adoption of American Lumber Standards, gone a long way to forestall any such action. It has meant a lot, he said, to have standards developed in general conferences of manufacturers, distributors and representatives of consumers, for such needs have been apparent for years and have been the subject of exhaustive study.

But the real test of the value of any standards, he warned, lies in the extent of their application, and in this field there is a special duty which comes before the

retailer. Furnishing as he does the immediate contact with the consuming public, Mr. Gately continued, the retailer has a first-hand opportunity to help "sell" the standards to the consumer. He has the further opportunity of enlisting the aid of architects, constructors, and engineers in convincing the public that the lumber standards represent the best thought available in the whole industry, said the speaker. And he has a field peculiarly his own of ability to observe the standards in their working, to discover and to collect data as to any flaws in the standards as now developed.

Standards in any industry, Mr. Gately pointed out, are not final. They represent the best practices which evolution in the industry can offer to its correlated groups. They are susceptible to change, but to achieve their fullest value, such changes should be made only after the most exhaustive sort of test over a given period of time.

The full application of American Lumber Standards, Mr. Gately continued, means the elimination of the continued shrinking of sizes; the conservation of timber; the advancement of the industry in the public eye through its establishment on a more business-like plane. To stop the thinning of lumber was the first step, as if the practice had been continued the demand for restrictive—and highly expensive legislation would surely have been forthcoming. Subsequent actions were all aimed at an

upward movement for the improvement of service rendered. And as a part of this program, the progressive manufacturers or retailers must act in unison to check certain practices on the part of unscrupulous persons which have made the public look with doubt on the industry as a whole.

It is a lamentable fact, declared Mr. Gately, that little effort has been made by the industry to give the public the fullest sort of information. The industry knows that as various sections of timber area were cut off, the quality of timber found in other places, in some cases has not been of as high grade. The industry knows too that transportation costs have been a big factor in the final price to the public, particularly when valuable timber tracts have been off the common transportation routes. He deplored too the fact that the truth as to the real profits of the industry from manufacturing and distribution had never been brought home to the public in a manner to indicate the hazardous and vexing problems which the entire lumber industry faces.

While application of American Lumber Standards has not been achieved to the fullest extent, either by retailers or manufacturers, there should be unstinted support given to those standards by the associations of the industry, said the speaker. While nominally the standards have been in use since July 1, 1924, some of the manufacturing organizations did

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not until very recently complete the revision of their rules to comply with these standards. This will mean that some months will elapse before all orders are placed in accordance with the new standards, and some time will be needed to educate the consuming public to the advantages in so ordering.

However, he said, this does not mean that the delay has been general, for there has been good progress made in many sections of the country—a progress so real as to make the matter of adverse legislation far less likely to occur.

"The continued study of the problem," said Mr. Gately in conclusion, "inevitably impresses upon an observer the fact that the agreed upon recommendations must be put into effect. Then, as the various difficulties and obstacles arise, careful note should be made of them, and a bona fide set of evidence built up for presentation to the general conference. Such evidence should be built up as data and information which can be used in securing an honest determination of an all around satisfactory agreement. I therefore urge you most earnestly to give your fullest and most active support to a harmonious continuance of the movement.

"The Department of Commerce will most gladly welcome any opportunity to assist or co-operate in every way possible with the various state, regional and national associations, and it is hoped that, if, in the past there has been any feeling of diffidence in calling upon us for such

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aid and assistance as we may render, you will now understand that there is no real need for such an attitude."

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The recommendations in this Code of Ethics will be brought before the attention of at least a half million people who will visit these annual Expositions, as steps are being taken to publish the Code so it will be available to the public throughout the country.

Never before in the history of business have great national interests gathered around a table and put on paper expert opinion on how an important phase of our national life could be improved. Yet such organizations as the American Society of Civil Engineers, the American Institute of Architects, The Society for Electrical Development, the American Face Brick Association, The Master Plumbers' Association, The Warm Air and Ventilating Association, The National Electric Light Association, The Associated Tile Manufacturers, The Portland Cement Association, The United States League of Local Building and Loan Associations, The American Fuel Oil Burner Manufacturers' Association, The National Lumber Manufacturers' Association, The Wall Paper Manufacturers' Association, The National Retail Lumber Dealers' Association, The National Wholesale Lumber Dealers' Association, The American Gas Association, The Associated Metal Lath Manufacturers, The American Society of Heating and Ventilating Engineers and

(Continued on Page 95)

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Residences (23), 7330-74 Torresdale avenue, Philadelphia. Architect, private plans. Owner, Harry Feldman, 905 Bailey Building, Philadelphia. Brick, 2 stories, 16x36 feet, slag roof, oak and pine floors, hot water heat, electric light, metal lath, tile work, ornamental iron work. Owner taking sub-bids due as soon as possible.

Residences (38), Rising Sun avenue and Albanus street, Philadelphia. Architect, private plans. Owner, John T. Clasby, 4449 North Ninth street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, oak floors, hot water heat, electric light. Owner will build. Work about to start.

Residences (33), Seventeenth and Pike streets, Philadelphia. Architect, private plans. Owner, Henry J. McLean, 521 South Fifty-second street, Philadelphia. Brick, 2 stories, 15x40 feet, slag roof, oak and cement floors, hot water heat, electric lighting, tile work. Owner taking sub-bids.

Development Operation (250) (single and twin), Midvale avenue near East Falls Station, Philadelphia. Owner, J. H. McClatchy, Land Title Building, Philadelphia. Brick, stone, hollow tile, stucco, 2 and 2½ stories, hot water heat, electric light, slag and slate roof, hardwood floors. Owner will be ready for sub-bids in a few days.

Residences (13), Sixty-sixth avenue, Gerry and Twenty-first streets, Philadelphia, \$89,500. Architect, private plans. Owner, Harry Sherbekow, 5939 Christian street, Philadelphia. Brick, 2 stories, (2) 15x47 feet, (11) 15x29 feet, 11x10 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Garage, York and Memphis streets, Philadelphia. Architects, Newbauer & Supowitz, 929 Chestnut street, Philadelphia. Owner, M. Kirschner, 4930 Brown street, Philadelphia. Brick, steel, concrete, 1 story, 200x70 feet, slag roof, cement floors, steam heat, electric light, hollow metal skylights. Owner ready for sub-bids.

Rectory (alts. and add.), Seventeenth and Ritner streets, Philadelphia. Architects, Hoffman-Henon Co., Finance Building, Philadelphia. Owners, St. Monica's Roman Catholic Church, Rev. J. J. Walsh, on premises. Revised plans in progress.

Museum (add.), Thirty-fourth and Spruce streets, Philadelphia, \$600,000. Architects, Day & Klauder, Franklin Bank Building;

Stewardson & Page, 315 South Fifteenth street; Wilson, Eyre & Melvaine, 1003 Spruce street, Philadelphia. Owners, University of Pennsylvania, Trustees, Thirty-fourth and Spruce streets, Philadelphia. Brick, stone, steel. Details undecided. Tile roof. Plans in progress.

Miscellaneous Building, Holmesburg, Pa., \$1,000,000. Architect, Philip H. Johnson, 1713 Sansom street, Philadelphia. Owners, Department of Public Works, Bureau of City Property, City Hall. Sketches in progress.

Apartment House, Wayne, above Tulpehocken street, Philadelphia. Architect, S. Kaplan, 10 South Eighteenth street, Philadelphia. Owner, name withheld. Brick, 3 stories, will contain 16 apartments. Plans in progress. Too early for details.

Store and Dwellings (9), Residences (14), Levick street and Rising Sun avenue, Philadelphia. Architect, J. E. Sindoni, Norwood and McKean streets, Philadelphia. Owner, name withheld. Brick, 2 stories, 16x56 feet, 16x41 feet, slag roof, hardwood floors, hot water heat, electric light, tile work, garages in basement of dwellings only. Plans in progress.

Twin Residence (2 pairs) and Single Residence, McCallum street, Mt. Airy. Architect, J. E. Sindoni, Norwood and McKean streets, Philadelphia. Owner, name withheld. Brick, 2½ stories, 19x50 feet, garages, 1 story, 9x20 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Church (alts.), Sixty-third and Callowhill streets, Philadelphia. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owners, Our Lady of Rosary, Rev. P. J. Kierman, on premises. General renovation. Plans in progress.

Incinerating Plant, Philadelphia. Owners, Dept. of City Property, Bureau of Street Cleaning. Work contemplated.

Residence Operation (500), Whitaker, Jericho road and Rusecomb street, near Roosevelt Boulevard, Philadelphia. Architects, Stetler & Deysher, 1015 Chestnut street, Philadelphia. Owner, Abraham Harrison, Bryn Mawr, Pa. Agents, Solomon Brothers, Elrae Building, Philadelphia. Brick, 2 stories. Plans in progress. Will start first of operation in spring.

Mill, Germantown, Philadelphia. Architect,

J. Nasehold, 5234 North Second street, Philadelphia. Owner, name withheld. Stone, brick, steel, 1 story and basement, slag roof, cement floors, steam heat, electric light, plumbing, mill work, rolled steel sash, hollow metal skylights, iron work. Plans in progress. Architect will be ready for sub-bids in 10 days.

Apartment Houses (2), 300-06 West Coulter street, Germantown, Philadelphia. Architect, private plans. Owners, Ruhland Building Co., 5232 Laurens street, Philadelphia. Brick, steel, 2 stories and basement, 70x16 feet, slag roof, oak, pine and cement floors, oil burners, electric light, metal lath, tile work, rolled steel sash, ornamental iron work. Owners will be ready for sub-bids in a few days.

Garage, 252-254 South Ninth street, Philadelphia. Architects, Newbauer & Supowitz, 929 Chestnut street, Philadelphia. Owners, Rose Const. Co., North American Building, Philadelphia. Reinforced concrete, steel, 2 stories and basement, steam heat, electric light, slag roof, concrete floors, concrete ramps. Plans about completed. Owners ready for sub-bids.

Residences (68), Ogontz avenues and Walnut lane, Philadelphia. Owner, Walter S. Bauer, 5802 North Fifth street, Philadelphia. Brick, 2 stories, 16x37 feet, slag roof, oak and pine floors, hot water heat, electric light, tile work. Owner will build. Work to start early next month.

Residences (6), West side Fifty-ninth, at Warrington avenue, Philadelphia. Architect, J. E. Sindoni, Norwood and McKean streets, Philadelphia. Owners, Cohen & Krauss, 2421 South Lawrence street, Philadelphia. Brick, 2 stories, 18x54 feet, slag and Spanish tile roof, hot water heat, electric light, tile work, hardwood floors, plumbing, garages in basement. Owners will be ready for bids in a few days.

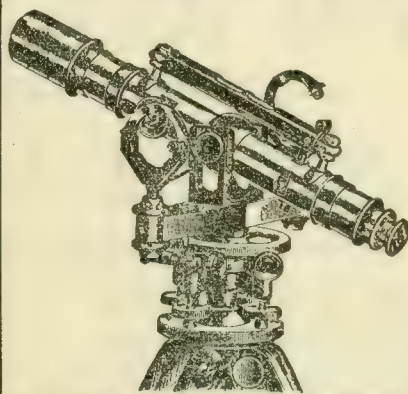
Girls' Trade School, Thirteenth and Brandywine street, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Plans completed. Owners will be ready for bids about February 20th.

Residences (50), Bouvier street, between Sixty-sixth and Sixty-seventh avenues, Philadelphia. Architect, private plans. Owners, William Fisher's Sons, Broad and York road, Philadelphia. Brick, 2 stories, 16x40 feet,

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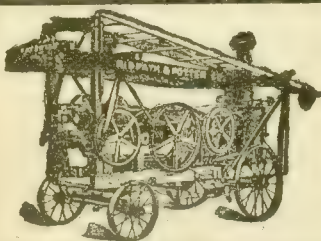
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slag roof, oak and pine floors, hot water heat, electric light. Plans in progress. Owners ready for sub-bids in a month.

Garage, 121-23 West Luray street, Philadelphia. Architect, private plans. Owner, G. J. Reich, 126 East Wyoming avenue, Philadelphia. Brick, 1 story, 60x120 feet, slag roof, cement and pine floors, steam heat, electric light, rolling steel sash, hollow metal skylights, flush bulks, plumbing, plate glass. Owner will be ready for sub-bids in two weeks.

Residences (41), B street, below Wyoming avenue, Philadelphia. Architect, private plans. Owners, George B. Armstrong, Inc., 453 West Wyoming avenue, Philadelphia. Brick, 2 stories, 16x38 feet, slag roof, oak and pine floors, hot water heat, electric light, tile work. Owners will build early in the spring.

Residences (27), Tenth and Olney avenue, Philadelphia. Architect, private plans. Owners, Bobb & Segal, Tenth and Olney avenue, Philadelphia. Brick, 2 stories, 15x50 feet, slag roof, oak and pine floors, hot water heat, electric light, tile work. Owners taking sub-bids.

Residences (96), Montague street, East and West side, Princeton to St. Vincent street, Philadelphia. Architect, private plans. Owner, Albert Steinacke, 5602 North Camac street, Philadelphia. Brick, 2 stories, 14x42 feet, slag roof, hardwood floors, hot water heat, electric light. Owner will build and will be ready for sub-bids on 42 in a few days.

Residences (twin) (33), Rockwell avenue and Cottman street, Burholme, Philadelphia. Architect, private plans. Owner, George B. Armstrong, Inc., 453 West Wyoming avenue, Philadelphia. Brick, 2 stories, 16x38 feet, slag roof, oak and pine floors, hot water heat, electric light, tile work. Owner will build early in spring.

Factory (add.), Tioga street, between C and Arbor streets, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owner, Baxter Kelly Faust, on premises. Brick, reinforced concrete, steel, 2 add. stories, 193x54 feet, slag roof, maple and cement floors, hollow tile, safety treads, roof ventilators, plumbing, ornamental iron work, ornamental terra cotta, floor hardener, fire and kalamein doors, rolled steel sash and shutters. Architects taking bids due February 16th before noon.

Garages (3), 1517-33 Clearfield street, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, M. Lencovitz, on premises. Brick, steel, wood trusses, 1 story, 138xx188 feet, slag roof, cement floors, oil burning heating, electric light, metal lath. Architect taking bids due as soon as possible.

Garage Buildings, Northeast Corner Twelfth and Locust streets, Philadelphia. Architect, private plans. Owner, A. H. Woldow, Widener Building, Philadelphia. Reinforced concrete, brick, steel, cast stone, 4 stories and basement, 100xx100 feet, slag roof, cement floors, shoring, waterproofing, bond, rolled steel doors, granite, tin covered and kalamein doors, rolled steel skylights and sash. Owner taking bids due February 14th.

Store (alts.), 102 South Thirteenth street, Philadelphia. Architect, Emil G. Perot, 1211 Arch street, Philadelphia. Owners, Kennedy & Brothers (jewelers), on premises. New store front, marble work, patching, plastering, mill work, electric work (alts.), painting. Owners taking bids as soon as possible.

Residence (alts. to apartment), 3230 Berks street, Philadelphia. Architect, I. A. Demchick, 1701 Chestnut street, Philadelphia. Owner, Samuel Rosman, on premises. Alterations to 6 efficiency apartments, heating and lighting extensions, tile work, hardwood floors, plumbing, interior alterations. Owner taking bids due as soon as possible.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Water, 216 City Hall. Furnish and lay 24-inch, 16-inch and smaller C. I. pipe (water). Furnish and deliver 16-inch flange pipe. Furnish and deliver pig lead. Owners taking bids due February 17th at noon.

Miscellaneous Work, Department of Wharves, Docks and Ferries, Philadelphia. Owners, Department of Wharves, Docks and Ferries, Pier No. 4, South Wharves. Owners taking bids due February 16th at noon. Schedule A, construction of steel derriek scow No. 22. Schedule B, emergency work of repairing floating plant of Department. Deposit, \$10, refunded, on Schedule A. No deposit on Schedule B.

Drawing Materials, Philadelphia. Owners, Department of City Transit, City of Philadelphia, 1211 Chestnut street, Philadelphia. Furnish drawing tables and parallel rules. Owners taking bids due February 16th, 10 A. M.

Grain Elevator, Northeast Corner Twentieth and Shamokin streets, Philadelphia, \$175,000. Architect, private plans. Owners, Reading Company, Twelfth and Market streets, Philadelphia. Reinforced concrete, 617 feet high, 250,000 bushel capacity. Permit issued.

Residences and Garages (8), East side Fifty-sixth street, North of Wynnesfield avenue, Philadelphia, \$100,000. Architects, Neubauer & Supowitz, 929 Chestnut street, Philadelphia. Owner, Michael S. Kirschner, 4930 Brown street, Philadelphia. Brick, 3 stories, 20x30 feet, 20x23 feet, garages, 1 story, 20x20

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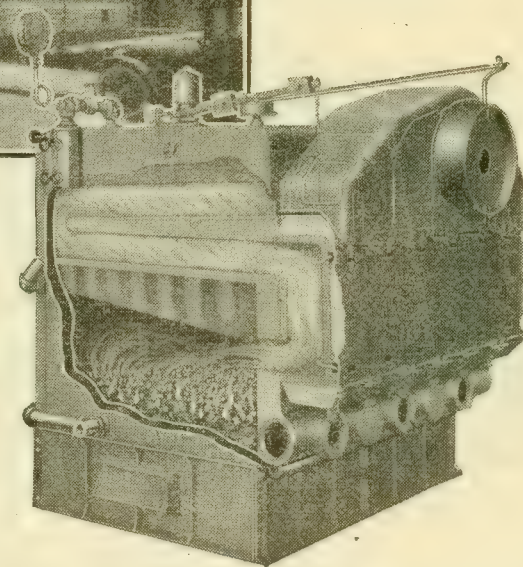
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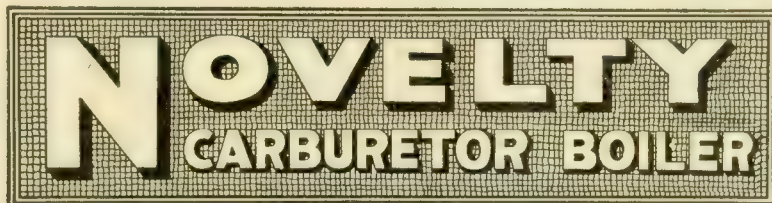


How the Architect Solved this Problem

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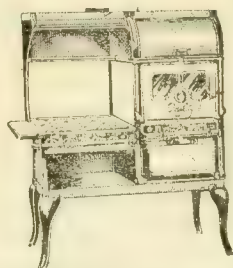
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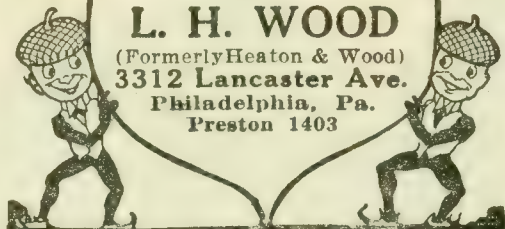
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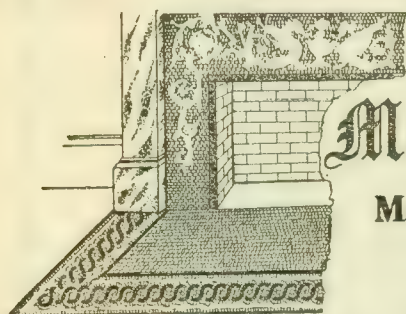
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feet, slag roof, hardwood, pine and cement floors, hot water heat, electric light, tile work. Owner will build.

Residences (28), Seventy-second and Bebro avenue, near West Chester Pike, Pa. Architect, private plans. Owners, Berman & Gerberman, 6036 Market street, Philadelphia. Brick, 2 stories, 18x32 feet, slag roof, oak and pine floors, hot water heat, electric light, tile work. Owners will build. Work about to start.

Garage, Northwest Corner Forty-eighth and Parrish streets, Philadelphia \$19,000. Architect, private plans. Owner, Samuel Goldberg, 2446 South Ninth street, Philadelphia. Brick, 1 story, 88x100 feet, slag roof, cement floors, electric lighting. Owner will build.

Garage, 803-05 North Seventh street, Philadelphia, \$12,000. Architect, private plans. Owner, M. Budinstein, 707 Brown street, Philadelphia. Brick, 2 stories, 36x92 feet, 31x34 feet, slag roof, cement and pine floors, electric lighting. Owner will build.

Residence and Garage, Southwest Corner Disston and Erdrick streets, \$7,500. Architect, private plans. Owner, M. John Smith, 6832 Hegerman street, Philadelphia. Brick, 2 stories, 19 feet 6 inches x 56 feet, hardwood and pine floors, hot water heat, electric light, tile work, garage, 1 story, 18x18 feet, cement floors. Owner will build.

Apartment (alts.), 1928 North Thirteenth street, Philadelphia, \$3,000. Architect, private plans. Owner, David L. McCartney, 3416 Devereaux street, Philadelphia. General alterations. Owner will build.

Warehouse, Northwest Corner Twentieth and Rockland streets, Philadelphia, \$2,500. Architect, private plans. Owner, Robert B. Galbraith, on premises. Stone, 1 story, 30x40 feet 6 inches. Owner will build.

Schools, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Low bidders: William Penn High School, Lam Building Co., 1001 Wood street, Philadelphia, \$5,494; Kober Const. Co., 34 South Seventeenth street, Philadelphia, \$5,600; electric, E. F. Goldhan, 4335 Chestnut street, Philadelphia, \$216. Willard School, Mitchell Brothers, 2125 Race street, \$1,349; E. C. Durrell, 1713 North Twenty-fourth street, Philadelphia, \$1,370. Lawndale School, drainage, N. Connelly, 1404 North Eighteenth street, \$2,250. Hayne School, electric, Walker & Kepler, 631 Chestnut street, \$1,239. Cockosink, electric, Enterprise Elec. Co., 239 South Tenth street, \$870. Ludlow School, Enterprise Elec. Co., 239 South Tenth street, \$1,638. Potter School, Enterprise Elec. Co., 239 South Tenth street, \$2,195. Agnew School, Enterprise Elec. Co., 239 South Tenth street, Philadelphia, \$992.

Alterations and Additions (club house), 1319 Locust street, Philadelphia. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owners, Poor Richards Club, James Wood, 239 South Camac street, Philadelphia. Brick work, cut stone, cement block, cement and concrete, steel and

iron work, plastering, carpentry and mill work, painting and glazing, tile and marble work, hardware, patching tile roof, asbestos roofing, galvanized iron skylights, marbleoid floors, cork composition floors, terrazzo floors, kalamein doors, resetting dumb waiter. Architect taking bids due February 27th.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Store (alts.), 1030 Market street, Philadelphia, \$6,500. Architect, private plans. Owners, Mastbaum Brothers, 1424 South Penn Square, Philadelphia. General alterations. Contract awarded to Basch & Co., 1835 Ruan street, Philadelphia.

Residence, South side Vista street, East of Whitaker street, Philadelphia, \$4,500. Architect, private plans. Owner, Joseph Weher, Fox Chase, Philadelphia. Frame, 2 stories, 24x24 feet 7 inches, shingle roof, hardwood and pine floors, electric light. Contract awarded to Alex. Base, 5518 Paschall avenue, Philadelphia.

Store and Storage (alts.), 2660 Germantown avenue, Philadelphia, \$4,500. Architect, private plans. Owner, H. Barish, on premises. General alterations. Contract awarded to Basch & Co., 1835 Ruan street, Philadelphia.

Church (alts. and add.), Southwest Corner Lawndale and Cottman streets, \$3,000. Owners, Methodist Episcopal Church, Burholme, Philadelphia. Frame, 1 story, 13x15 feet, and 1 story, 4x11 feet, general alterations. Contract awarded to Joseph Ashby, 7920 Oxford avenue, Philadelphia.

Store Building, 431-39 South street, Philadelphia. Architect, private plans. Owners, L. Mark Estate, 1227 Market street, Philadelphia. Brick, 1 story, steam heat, electric light, metal lath, tile and marble work, slag roof, maple floors, plumbing, metal ceilings, architectural terra cotta. Contract awarded Curtis Grindrod, 10 South Eighteenth street, Philadelphia.

Storage House and Still Building, Delaware avenue and Bigler street, Philadelphia. Architect, Clarence E. Wunder, 1620 Locust street, Philadelphia. Owners, Publicker Commercial Alcohol, on premises. Brick, steel, concrete, 5 stories, 1 story, 74x72 feet, 34x23 feet (piles and electric work reserved), slag roof, cement floors, rolled steel sash, galvanized iron skylights, fire doors, bond, ornamental iron work, slag roof, cement floors.

Contract awarded George Kessler Cont. Co., 1733 North Marvine street, Philadelphia.

Store Building, 1923 Chestnut street, Philadelphia. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owner, J. E. Limeburner, on premises. Brick, cut stone, steel, 3 stories, 150x20 feet, slag roof, cement floors, steam heat, electric light, tile work, ornamental iron work. Contract awarded Farrell Roth Cont. Co., 1624 Spruce street, Philadelphia.

Building, Northwest Corner Fortieth and Market streets, Philadelphia. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owners, Thomas and William Kelly, care of architect. Brick, cut stone, steel, 2 stories and basement, 76x25 feet, slag roof, maple and cement floors, plumbing, roof ventilators, salt glazed terra cotta, ornamental iron work, metal bulks, rolled steel skylights, tile work, metal lath, electric lighting. Contract awarded Knox Landers, 1132 Vine street, Philadelphia.

New Basement Entrance, 902 Chestnut street, Philadelphia. Architect, private plans. Owners, Yawman & Erbe Mfg. Co., 902 Chestnut street, Philadelphia. Changing to billiard room, rolled steel sash, plumbing, heating, electric work, sprinkler system, ventilating, plastering, mill work, painting and glazing, hardware, wire screens. Contract awarded Kober Const. Co., 34 South Seventeenth street, Philadelphia, \$13,000.

Entrance (new), Fifth street, below Chestnut street, Philadelphia, \$20,000. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, Drexel Building, Fifth and Chestnut streets, Philadelphia. Brick work, concrete work, architectural terra cotta, cut stone and marble work, bronze doors, frame sash, electric work. Contract awarded F. A. Havens Co., 845 North Nineteenth street, Philadelphia.

Mill (add.), Cheltenham avenue and Anderson street, Philadelphia. Owners, Bolger Brothers, 1139 East Cheltenham avenue, Philadelphia.



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Brick, steel, 3 stories, 45x106 feet, 40x70 feet, (plumbing, electric and heating reserved), slag roof, pine floors, rolled steel sash, ornamental iron work. Contract awarded E. E. Hollenback, 1804 Brandywine street, Philadelphia.

Residence and Garage, Schoolhouse near Gypsy lane, Germantown. Architect, Carl A. Ziegler, 1309 Locust street, Philadelphia. Owner, Thomas Evans, care of architect. Stone, 2 stories and 1 story, 91x45 feet, 21x28 feet, shingle roof, oak and pine floors, plumbing, tile work, electric light, hot water heat, wrought iron pipe. Contract awarded Curtis Grindrod Co., 10 South Eighteenth street, Philadelphia.

Store and Garage (add.), Northeast Corner Lambert street and Passyunk avenue. Architect, Henry Coseia, 1611 South Fifteenth street, Philadelphia. Owner, R. D. Lenge, on premises. Brick, 2 stories, irregular in size, heating and lighting extension, slag roof, cement and pine floors. Contract awarded Builder Moscoveti, care of owner.

Store and Tenement (alts. and add.), 4206-10 Market street, \$7,500. Architect, H. H. Kline, Bulletin Building, Philadelphia. Owner, P. W. Forman, on premises. Brick, 2 stories add., 38x45 feet, general alterations. Contract awarded to Samuel Goldberg, 2446 South Ninth street, Philadelphia.

Residence and Store, 3309 Woodland avenue, Philadelphia, \$7,500. Architect, private plans. Owner, Samuel Goodman, 3305 Woodland avenue, Philadelphia. Brick, 3 stories, 15x25 feet, and 2 stories, 15x15 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to H. Clayman, 2407 South Marshall street, Philadelphia.

Store and Residence (add.), Southwest Corner Second and Widener avenue, \$3,000. Architect, private plans. Owner, Fred Schmidt, on premises. Brick, 1 story add., 14x51 feet, pine floors, electric light. Contract awarded to Alfred Kroll, 3646 North Seventh street, Philadelphia.

Store and Storage Building, 143-45 Market street, Philadelphia, \$60,000. Architect, J. M. Blew, 5828 Carpenter street, Philadelphia. Owner, M. Goldberg, 36 North Second street, Philadelphia. Brick, 6 stories, 36x36 feet, 18x36 feet, slag roof, electric light, pine floors, steam heat. Contract awarded to Clayton Lofland, 231 North Water street, Philadelphia.

Residences (2), West side Cresheim road, North of Mt. Pleasant avenue, \$22,000 total. Architect, private plans. Owners, Kaplan & Bernstein, 2310 Walnut street, Philadelphia. Brick, 2 stories, 18 feet 6 inches x 59 feet,

slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Michael Benjamin, 5913 Chancellor street.

Building (alts.) and Garage, 3115 North Broad street, Philadelphia, \$11,000 total. Architect, private plans. Owner, Mark Freas, 3118 North Broad street, Philadelphia. General alterations to building, garage, brick, 1 story, 16x32 feet, slag roof, cement floors, electric light. Contract awarded to J. T. Phister, Epx Building, Philadelphia.

Residence, West side Second street, North of Sixty-sixth avenue, Philadelphia, \$6,500. Architect, private plans. Owner, Bush W. Wright, 716 North Nineteenth street, Philadelphia. Frame, 2 stories, 26x40 feet, shingle roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Speece-Sherry Corp., Delanco, N. J.

Residences (10), 3001-15 and 3027-29 Diss-ton street, \$5,000 each. Architect, private plans. Owner, Hugh McHenry, 6943 Torresdale avenue, Philadelphia. Brick, 2 stories, 16x16 feet, 18x26 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to J. G. Stevenson, 7014 Hegerman street, Philadelphia.

Store and Residence (alts. and add.), 801 North Marshall street, \$3,000. Architect, private plans. Owner, S. Schechtman, 901 North Franklin street, Philadelphia. Brick, 1 story add., 10x8 feet, general alterations. Contract awarded to A. Zerdenberg, 801 North Marshall street, Philadelphia.

Store and Residence (alts. and add.), 2324 South Seventh street, \$4,000. Owner, A. Benkes, on premises. Brick, 2 stories add., 15x18 feet, general alterations. Contract awarded to H. Clyman, 2407 South Marshall street, Philadelphia.

Stack, Southeast Corner Jasper and Butler streets, Philadelphia, \$3,880. Owners, Jasper Mfg. Co., on premises. Brick. Contract awarded to American Chimney Corp., 21 South Twelfth street.

Residences and Stores (2) (add.), 6027-29 Torresdale avenue, \$3,500 each. Owner, A. B. Schulte, 17 Maplewood avenue, Philadelphia. Brick, 2 stories add., 16x14 feet 3 inches. Contract awarded to J. T. Phister, Fox Building, Philadelphia.

Residences (5), Lawndale and St. Vincent streets, \$4,000 each. Architect, private plans. Owner, Lena Perlman, 1225 Cottman street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Henry Perlman, 1225 Cottman street, Philadelphia.

Rag Shop, 1707-09 South Front street,



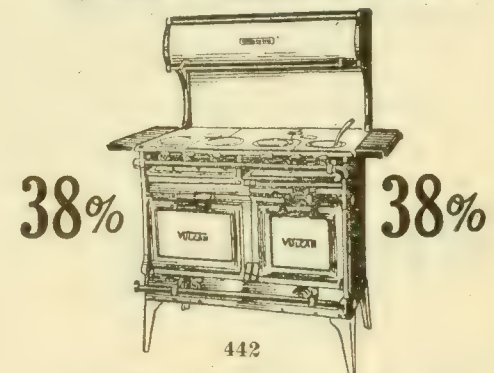
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Philadelphia, \$12,000. Architect, private plans. Owner, Samuel Levin, 2045 South Third street, Philadelphia. Brick, 2 stories, 33x88 feet, slag roof, pine floors. Contract awarded to M. Singer, 430 Snyder avenue, Philadelphia.

Residence, East side Loretta street, South of Ripley street, \$6,500. Architect, private plans. Owner, William L. McGlue, 510 North Paxon street, Philadelphia. Frame and stucco, 2 stories, 25x29 feet, hardwood and pine floors, electric lighting, tile work. Contract awarded to Charles M. Sinn, 5518 North American street, Philadelphia.

Residence and Store (alts. and add.), 2823 West Girard avenue, \$3,500. Architect, private plans. Owner, Charles B. Demetreados, 1200 Girard avenue, Philadelphia. Brick, 3 stories add., 18x8 feet, general alterations. Contract awarded to Max Lasenski, 5207 Girard avenue, Philadelphia.

Business Building (alts. and add.), 3152 Frankford avenue, \$3,400. Architect, private plans. Owner, Frank Gross, 816 East Westmoreland street, Philadelphia. Brick, 1 story add., 18x36 feet, general alterations. Contract awarded to Charles S. Bannett, 1633 South Fifty-ninth street, Philadelphia.

Store (alts.), 1120 Chestnut street, Philadelphia, \$2,500. Architect, private plans. Owners, Lemper & Lemper, on premises. General alterations. Contract awarded to Paul Brosz, 2511 West Huntingdon street, Philadelphia.

Store and Storage (alts.), 1306 Walnut

street, Philadelphia, \$2,500. Architect, private plans. Owner, Joseph Andrassy, on premises. General alterations. Contract awarded to Carr & Courtney, 3025 Poplar street, Philadelphia.

Club House (add.), 1502 Poplar street, Philadelphia, \$2,000. Owners, Girard Alumni Association, on premises. Brick and hollow tile, 1 story, 5 feet 4 inches x 9 feet, second and third stories add., 6x6 feet 11 inches, hardwood floors, vapor heat, electric light. Contract awarded to McNeill Const. Co., 1505 Race street, Philadelphia.

Garage, 1314 Crease street, Philadelphia, \$2,000. Architect, private plans. Owner, Chris. Bauers, 500 East Penn street, Philadelphia. Brick, 1 story, 20x33 feet, slag roof, cement floors. Contract awarded to Wintz Brothers, 1610 Sellers street, Philadelphia.

Store and Storage (alts. and add.), Northeast Corner Tenth and Ellsworth streets, \$2,000. Architect, private plans. Owner, N. Palladino, 609 Wharton street, Philadelphia. Brick, 2 stories add., 8 feet 6 inches x 16 feet, general alterations. Contract awarded to Jesse E. Howell, 404 North Thirty-first street, Philadelphia.

Store and Residence (alts.), 1918 Poplar street, Philadelphia, \$2,000. Architect, private plans. Owner, L. Grossman, 1014 North Sixth street, Philadelphia. General alterations. Contract awarded to Shechtman Brothers, 1924 North Marshall street.

Residence and Store (alts.), 219 West Gir-

ard avenue, Philadelphia, \$2,000. Architect, private plans. Owner, S. Perlstein, on premises. General alterations. Contract awarded to J. Satler, 1408 North Marshall street, Philadelphia.

Store and Storage (add.), 260 South Fifth street, Philadelphia, \$2,500. Architect, private plans. Owner, P. Selditch, on premises. Brick, second story add., 33 feet 10 inches x 41 feet. Contract awarded to J. R. Evans, 1048 Jackson street, Philadelphia.

Shop (repairs), Northeast Corner Memphis and Tioga streets, Philadelphia, \$2,500. Architect, private plans. Owners, Green Box Co., on premises. General fire repairs. Contract awarded to Henry Drake, Oxford and Dyre streets, Philadelphia.

Store and Residence (alts.), 1317 South street, Philadelphia, \$2,500. Owner, G. Weinstein, on premises. General alterations. Contract awarded to Joseph Goldfarb, 2523 South Reese street, Philadelphia.

Theatre, Restaurant and Office Building, Northwest Corner Broad and Locust streets. Architect, A. H. Gilbert, 80 Maiden Lane, New York City. Owners, Corporation, care of builder. Stone, brick, steel, limestone, 20 stories, steam heat, electric light, tile and marble work, metal lath, hollow tile, elevators. Contract awarded Lynch Const. Co., care of L. H. Cahan & Son, 1324 Wanut street, Philadelphia, who is taking sub-bids due as soon as possible.

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PENNSYLVANIA Construction News

Residences (10), Drexel Hill, Pa., \$15,000 each. Architect, private plans. Owners, R. H. Glazier and E. B. Friel, 501 Finance Building, Philadelphia. Concrete, brick, stucco, 2½ stories, 26x37 feet, electric light, hardwood floors. Owners will build.

Residence and Garage, Jenkintown, Pa. Architect, A. C. Borzner, 717 Walnut street, Philadelphia. Owner, George Hauptfuhrer, Jenkintown, Pa. Stone, 2½ stories, 43x43 feet, slate roof, oak, pine and cement floors, hot water heat, electric light, tile work, ornamental iron work. Architect taking bids due February 14th.

Passenger Station, Lancaster, Pa., \$1,000,000. Architect, William H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad, Broad Street Station,

Philadelphia. Owners, Pennsylvania Railroad, Broad Street Station, Philadelphia. Brick, steel, stone, 2 stories, 75x220 feet. Sketches drawn. Work contemplated.

Residence and Garage, Haverford, Pa., \$100,000. Architect, H. Trumbauer, Land Title Building, Philadelphia. Owner, John S. Muckle, 2023 Walnut street, Philadelphia. Brick, 2½ stories, 43x83 feet, slate roof, hardwood floors, electric lighting, tile and marble work. Preliminary plans in progress.

Residences (5), Drexel Hill, Pa. Architect, private plans. Owner, R. H. Glazier, 501 Finance Building, Philadelphia. Stone, stucco, 2½ stories, 24x35 feet, hardwood floors, tile work, heating, plumbing, electric work, shingle roof, sheet metal, cement, plastering, iron, lumber and mill work, painting and glazing, hardware. Work contemplated.

School, Fountain Hill, Pa. Architect, C. M. Lovelace, Bethlehem Trust Building, Bethlehem, Pa. Owners, Fountain Hill School Board, C. L. Leidtz, secretary, Bethlehem, Pa. Brick, 2 stories. Architect selected.

Parochial School, Logan street, Bristol, Pa. Architect, Henry Coscia, 1611 South Fifteenth street, Philadelphia. Owner, St. Ann's Roman Catholic Church, Rev. I. Jenne, Bristol, Pa. Cinder block, plastered, 2 stories and basement, 8 class rooms, steam heat, electric light, tin roof, maple floors. Plans in progress.

Residence and Garage, Noble Vista, Pa. Architects, Druckenmiller & Williams, 1537 Chestnut street, Philadelphia. Owner, name withheld. Stone, 2½ stories, 32x55 feet, hot water heat or vapor heat, electric light, tile work, slate roof, hardwood floors. Plans in progress.

Residence Development, Lancaster avenue, Ardmore, Pa. Architect, private plans. Owner, John H. McClatchey, Land Title Building, Philadelphia. Twin and single residences, stone, details undecided. Plans in progress.

Office, Hotel, Dance Hall, Theatre, Stores, Gettysburg, Pa. Architect, William H. Lee, 1505 Race street Philadelphia. Owners, Get-

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tysburg Hotel, Gettysburg, Pa. Concrete, steel, hollow tile, brick, slag roof, cement floors, hardwood floors, plumbing steam heat, electric light. Revised plans in progress, will be ready for new bids in a week.

Post Office Building and Store Building, Glenside, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, William H. Raiser, Glenside, Pa. Brick, 1 story, 55x66 feet, slag roof, cement (heating, plumbing and electric work reserved). Plans completed, ready for bids in a few days.

Store, Pottsville, Pa. Architect, H. J. Weigner, Bethlehem Trust Building, Bethlehem, Pa. Owners, Doutrich Building, care of Mr. Underwood, Doutrich Clothing Store, Pottsville, Pa. Brick, steel, 2 stories and basement, 230x30 feet, slag roof, hardwood floors, freight elevators, metal ceilings, waterproofing and dampproofing, steel stairs, ornamental iron work, cast stone, fire doors, steel sash and skylights, tile and marble work, metal lath, vapor vacuum heat, electric light. Owners taking bids.

Office Building, Williamsport, Pa. Architects, Watson Eng. Co., Cleveland, Ohio. Owners, Darling Valve & Mfg. Co., Williamsport, Pa. Plans in progress. Architects will be ready for bids about April 1st.

Residence and Garage, Wellington road near Evergreen road, Jenkintown Manor, Pa. Owner, Frank R. Fish, 1603 Mentor street, Philadelphia. Frame, 2½ stories, 27x40 feet, 20x40 feet, 1 story, shingle roof, hardwood floors, cement floors, stone foundations, hot water heat, electric light, tile work. Owner will build and is taking sub-bids.

Residence (alts.) to Club, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Sons of Veterans, 144 North Eighth street, Allentown, Pa. Brick, stone, 4 stories and basement, 70x160 feet, built-up roof, hardwood floors, fan and steam heat, electric light, tile work, hollow tile, metal lath, elevators, roof ventilators, fireproof, slate and wood stairs, ornamental iron work. Architects taking bids.

Hotel (alts.), Lehigh, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Exchange Hotel, Lehigh, Pa. Alterations to 4 story building, 77x68 feet, Barrett roof, hardwood and linoleum floors, plastering, stucco, vapor heat, electric work, plumbing. Architects taking bids due February 14th.

Residences and Garages (3), Ithan, Radnor Township, Delaware County, Pa. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, Paul H. Stull, Ithan, Pa. Stone, brick, steel, 2½ stories and 1½ stories, 64x40 feet, garage 29x18 feet (heating, plumbing, electric, tile work and composition floors reserved), shingle roof, oak, pine and cement floors, ornamental iron work, cement blocks. Architect taking bids.

Residence, Springfield, Pa. Architect, H. G. McMurtrie, 1012 Walnut street, Philadelphia. Owner, Dr. C. R. Marshall, care of architect. Brick, 2 stories, 32x36 feet, slate roof, hardwood floors, steam heat, electric light, tile work. Architect taking additional bids due February 14th.

Church, Marmun and Gay streets, West Chester, Pa. Architect, Henry C. Dagit, 34 South Seventeenth street, Philadelphia. Owners, St. Agnes' Roman Catholic Church, Rev. H. S. Schuyler, West Chester, Pa. Stone, cut stone, 1 story and basement, 86x60 feet (electric, plumbing, heating reserved), slate roof, pine floors, bond, ornamental iron work. Architect taking bids due February 23rd.

Garage, St. Asaph road, Bala, Pa. Architect, private plans. Owner, P. H. Chase, Bala, Pa. Brick, 1 story, 18x20 feet (plumbing, electric, painting reserved), slate roof, cement floors. Owner taking bids due February 16th.

Parish House, Allentown, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Read-

ing, Pa. Owners, St. Peter's Lutheran Church, Rev. R. H. Ischinger, Allentown, Pa. Brick, hollow tile, steel, 2 stories, basement and mezzanine, 79x58 feet, slate or composition roof, hardwood floors, safety treads, waterproofing and dampproofing, leaded glass, plumbing, metal lath, electric light, vapor heat. Owners taking bids due February 20th at 6 P. M.

School Building, Wayne, Pa. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Wayne School Board, C. H. Wolfe, Philadelphia National Bank, Philadelphia. Brick, 2 stories and basement, 210x250 feet. Owner will be ready for bids February 23rd.

Residence, Elkins Park, Pa. Architects, Boyd, Abel & Gugert, Otis Building, Philadelphia. Owner, Fred J. Rosenau, care of architect. Natico terra cotta block and stucco, stone, 2½ stories, 75x26 feet (bond, electric, plumbing, heating, tile and painting and glazing reserved), slate roof, oak and pine floors, metal lath, rolled steel sash, ornamental iron work. Architects taking bids February 12th.

Road Work, Pennsylvania. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa. Owners taking bids due February 27th at 10 A. M.

Allegheny County, R-228, A-3173, Plum Township, 6,400 feet. One course reinforced concrete. Certified check, \$1,500.

Berks County, R-285, A-3147, Hamburg and Lenhartsville Boroughs, Windsor and Greenwick Townships, 28,981 feet. One course reinforced concrete. Certified check, \$4,000.

Cameron-Elk Counties, R-99, Benzinger and Shippen Townships, 53,910 feet. One course reinforced concrete. Certified check, \$4,000.

Carbon County, R-164, Franklin and Towa-mensing Townships, 27,400 feet. One course reinforced concrete. Certified check, \$4,000.

Centre County, R-219, Snow Shoe and Boggs Townships, 44,000 feet. One course reinforced concrete. Certified check, \$4,000.

Crawford County, R-295, A-3195, Summit and Sadsbury Townships, 23,883 feet. Either bituminous surface course on concrete foundation or one course reinforced concrete. Certified check, \$4,000.

Crawford County, R-83, A-3194, Conneaut Township, 12,267 feet. Either bituminous surface course on concrete foundation or one course reinforced concrete. Certified check, \$2,000.

Dauphin County, R-336, A-2923, Mifflin Township, 14,737 feet. One course reinforced concrete. Certified check, \$2,500.

Greene County, R-256, A-1078-2958, Centre Township, 21,387 feet. One course reinforced concrete. Certified check, \$4,000.

Indiana County, R-189, South Mahoning, Washington and Payne Townships, Plumville Borough, 41,599 feet. One course reinforced concrete. Check, \$4,000.

Luzerne County, R-4, Pittston Township, Hughestown and Dupont Boroughs, 5,693 feet. One course reinforced concrete. Certified check, \$1,500.

McKean County, R-95, Hamilton and Wetmore Townships, 42,106 feet. Either bituminous surface course on concrete foundation or one course reinforced concrete. Certified check, \$4,000.

Montgomery County, R-198, A-3157, Upper and Lower Gwynedd, Horsham and Upper Dublin and Moreland Townships, 44,090 feet. One course reinforced concrete. Certified check, \$4,000.

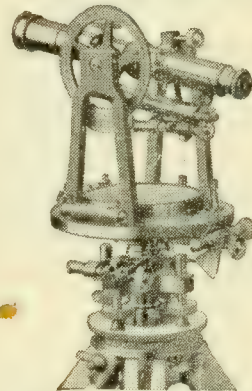
Susquehanna County, R-174, Clifford Township, 11,162 feet. One course reinforced concrete. Certified check, \$2,000.

Westmoreland County, R-188, A-3039, New Kensington and Arnold Townships, 4,109 feet. One course reinforced concrete. Certified check, \$1,500.

Pennsylvania Contracts Awarded

Department Store Building, Harrisburg, Pa. Architect, C. J. Lappley, Cotterel-Ebner Building, Harrisburg. Owner, I. H. Doutrich, 304 Market street, Harrisburg, Pa. Architectural terra cotta, front, steel, 4 and 6 stories, 26x210 feet, Barrett Specification roof, oak and cement floors, hollow tile, elevators, roof ventilators, waterproofing and damp-proofing, iron stairs, ornamental plaster, leaded glass, rolled steel sash, gypsum tile,

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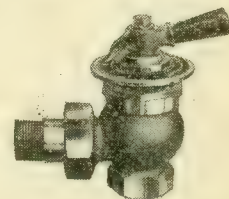
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Both Phones

tile and marble work, metal lath, steam heat, electric light. Contract awarded to Central Const. Corp., Seventh and Emerald streets, Harrisburg, Pa.

Sub-Station and Foundations, Pine Ridge, Nether Providence, Delaware County, Pa. Engineers, Ford, Bancon & Davis, Morris Building, Philadelphia. Owners, Philadelphia & Garrettsford Street Railway Co., care of Philadelphia and Western Railway, Mr. M. H. Taylor, Post Office Building, Upper Darby, Pa. Stone, reinforced concrete, 1 story, 38x16 feet, reinforced concrete and slag roof, electric wiring, rolling steel sash, waterproofing. Contract awarded Vincenzo Di Francesco, Llanerch, Pa.

Theatre, Allentown, Pa. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owner, P. J. McArdle, 2 West Second street, Bethlehem, Pa. Brick, cast stone, steel, 1 story, 129x50 feet, slag roof, concrete and wood floors, vapor vacuum heat, electric light, metal lath, tile work, panic doors, moving picture equipment, ornamental iron. Contract awarded to F. B. Glassmire, Bethlehem Trust Building, Bethlehem, Pa.

New Jersey Construction News

Grade School, Williamstown, N. J. Architects, Hill & Gollner, Broad Street Bank Building, Trenton, N. J. Owners, Board of Education of Williamstown, Theo. C. Dilks, Williamstown, N. J. Brick, steel, 2 stories and basement, 116x78 feet, slate and slag roof, maple floors, hollow tile, roof ventilators, iron stairs, fire doors, hollow metal skylights, metal lath (heating, plumbing and electric separate). Plans in progress.

School, Mt. Airy, N. J. Architects, Hill & Gollner, Broad Street Bank Building, Trenton, N. J. Owners, W. Amwell School Board, P. L. Holcombe, secretary, R. D., Lambertville, N. J. Brick, 1 story, 70x30 feet, slate roof, pine floors (heating, plumbing and electric separate). Plans in progress.

Church, Pitman, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owners, Pitman Presbyterian Church, Mr. Boswick, Pitman, N. J. Brick, stone, stucco, 1 story and basement, 40x70 feet, slag roof, maple floors, hollow tile, tile and marble, metal lath (heating, plumbing and electric reserved). Architects will be ready for bids next Monday.

Bank (add.), Broad and Perry streets, Trenton, N. J. Architect, R. G. Consolloy, Commonwealth Building, Trenton, N. J. Owners, Hanover Trust Co., N. A. K. Bugbee, president, Broad and Perry streets, Trenton, N. J. Brick, terra cotta trim, 2 stories, 60x62 feet. Owners taking bids.

Factory, near Hammonton, N. J. Architect, D. W. B. Haining, Guarantee Trust Building, Atlantic City. Owner, name withheld. Brick or cinder block, 1 story, 200x300 feet, fireproof roof, cinder concrete floors, hot water heat, electric light. Preliminary plans in progress.

Cottage, Ventnor, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, Mr. Thompson, care of architect. Frame, 2 stories, 20x40 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Hospital, Atlantic City, N. J. Architects, H. A. Stout, J. V. Mathis, J. H. Vaughn, Guarantee Trust Building, Atlantic City, N. J. Owners, Atlantic City Hospital, care of J. Moore, Atlantic City. Fireproof, 4 stories, 40x165 feet, slag roof, composition and tile floors, hollow tile, elevators, roof ventilators, waterproofing, dampproofing, steam heat, elec-

tric light metal lath, tile and marble work, iron stairs. Revised plans in progress.

Residence and Garage, Northfield, N. J. Architect, D. W. B. Haining, Guarantee Trust Building, Atlantic City. Owner, name withheld. Brick, 2½ and 2 stories, 53x32 feet, 30x20 feet, slate roof, hardwood and concrete floors, hot water heat, electric light, tile work. Plans in progress. Architect will be ready for bids in two weeks.

Hotel Biltmore (alts. and add.), Atlantic City, N. J. Architect, J. R. Ogden, 143 South South Carolina avenue, Atlantic City. Owner, William Malamut, Hotel Biltmore, Atlantic City, N. J. Brick, steel, 3 stories, 27x92 feet, tile and slag roof, tile, marble and wood floors, roof ventilators, heating extension, electric light, tile work, copper bay windows, ornamental iron work, entire building to be stuccoed. Plans in progress. Architect will be ready for bids in two weeks.

Apartment, New Hampshire and Oriental avenues, Atlantic City. Architect, D. W. B. Haining, Guarantee Trust Building, Atlantic City. Owner, H. Gold, 714 Sewell avenue, Atlantic City, N. J. Brick, 3 stories, 36x70 feet, slag roof, hardwood and tile floors, hot water heat, electric light, tile work. Owner taking sub-bids.

Cottage, Margate City, N. J. Architect, J. E. Sindoni, Norwood and McKean streets, Philadelphia. Owner, P. Labocetta, Eighth and Christian streets, Philadelphia. Cinder block, stucco, 2½ stories, 16x38 feet, asphalt shingle roof, pine floors, electric light, plumbing, tile work. Plans completed. Architect ready for general bids.

Apartment, Atlantic City, N. J. Architect, J. V. Mathis, Guarantee Trust Building, Atlantic City. Owner, Miller A. Cuskaden, Atlantic City, N. J. Brick, steel, 5 stories, 50x85 feet, slag roof, hardwood floors, elevators, terra cotta, ornamental iron work, iron stairs, limestone, tile and marble work, metal lath, electric light, hot water heat. Architect taking sub-bids.

Apartments (2), Ventnor, N. J., \$55,000 each. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owners, Yarmov & Shenkman, Guarantee Trust Building, Atlantic City, N. J. Brick, steel, 3 stories, 40x80 feet, slag roof, hardwood floors, hot water heat, electric light, metal lath, tile work. Owners taking sub-bids.

Garage, New York avenue and Boardwalk, Atlantic City, N. J. Architect, C. H. Conover, Jr., Freeman Building, Atlantic City, N. J. Owners, H. and Max Weinmann, Colonial Trust Building, Philadelphia. Steel, concrete block, 3 stories, 50x170 feet, slag roof, concrete floors, (1) elevator, roof ventilators, floor hardener, rolled steel sash, hot water heat, electric light. Architect and owners will be ready for bids in one week.

Residences (97), Twentieth and Harrison avenue, Camden, N. J. Architect, private plans. Owner, Joseph Halbert, 6550 Paschall avenue, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hardwood and pine floors, hot water heat, electric lighting, metal lath, cement work, garage in basement. Owner will start first 26 March.

School, Pennington, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Board of Education of Hopewell Township, H. H. Pittinger, Hopewell, N. J. Brick, steel, 2 stories, 156x78 feet, built-up roof, maple floors, hollow tile, safety treads, metal ceilings, dampproofing, ornamental iron work, iron stairs, bond, metal lath (heating, plumbing and electric separate). Owners taking bids due February 16th.

School, Hopewell, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Board of Education of Hopewell Township, H. H. Pittinger, Hopewell, N. J. Brick, steel,

2 stories, 172x78 feet, built-up roof, maple floors, hollow tile, safety treads, metal ceilings, dampproofing, ornamental iron work, iron stairs, bond, metal lath (heating, plumbing and electric work separate). Owners taking bids due February 21st.

Church, Ventnor, N. J. Architect, Robert J. Reilly, 50 West Forty-first street, New York City. Owners, Church of St. James by the Sea, Rev. P. J. Petri, Ventnor, N. J. Brick, cut stone, steel, stone, 1 story and basement, balcony, 115x63 feet, slate roof, slag roof, cement and maple floors, steam heat, electric light, metal lath, tile and marble work, plumbing, waterproofing, ornamental iron work, ornamental plaster, bluestone, cast iron pipe. Owners taking revised bids due February 15th.

Department Store (alts. and add.), Atlantic City, N. J. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owner, Adolph Preis, Mt. Vernon and Atlantic avenues, Atlantic City. Steel, slow burning, 5 stories and basement, 55x100 feet (heating, steam, plumbing, electric light reserved), slag roof, maple floors, hollow tile, maple floors, elevators, waterproofing and dampproofing, ornamental iron work, iron stairs, rolling steel sash, tile and marble work, metal lath. Architects taking bids.

Windshield, Park Place, Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City. Owners, Department of Streets and Public Buildings, Atlantic City, N. J. Steel, glass and wood, 300 feet long, mill work. Architect taking bids due February 26th.

Residence, 1209 North Thirty-second street, Camden, N. J., \$4,000. Architect, private plans. Owner, Ernest A. Borman, 1232 North Thirty-fourth street, Camden, N. J. Frame, 1½ stories, 24x38 feet, slate surface shingle roof, hardwood and pine floors, electric light. Owner will build.

Store (add.), 446 Broadway, Camden, N. J., \$3,500. Architect, private plans. Owners, Marenickolas Brothers, on premises. Brick store front, iron doors, underpinning foundations, lowering floors, brick add., 1 story, 4x25 feet. Contract awarded to Sol J. Frisch, Clementon, N. J.

High School, Freehold, Monmouth County, N. J. Architect, Alex. Merchant, New Brunswick, N. J., and Fred Eldassu, Newark, N. J. Owners, Board of Education of Freehold, A. J. Cabover, Freehold. Lowest bidder: Joseph Check, South River, N. J., \$197,510.

New Jersey Contracts Awarded

Auto Sales Room, 2119 Federal street, Camden, N. J., \$5,740. Architect, Joshua C. Jeffers, 312 Market street, Camden, N. J. Owner, William C. Davis, 2121 Federal street, Camden, N. J. Brick and concrete block, 1 story, 20x100 feet, slag roof, cement floors, steam heat, electric light. Contract awarded to Richartz & Furrer, 1838 Fillmore street, Camden, N. J.

Residence, Morris Heights, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owner, Benjamin C. Skirm, 702 Riverside street, Trenton, N. J. Brick, 2½ stories, 36x42 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to T. Ewald, Morris Heights, N. J.

Residence and Garage, Sea Girt, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owner, Charles Shick, care of architects. Frame, 2 stories, 60x30 feet, shingle roof, hardwood floors, hot air heat, electric light, tile work. Contract awarded to H. Conover, Sea Girt, N. J.

Miscellaneous Construction News

Club House, Winston-Salem, N. C. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owners, Pine Valley Golf Club, Winston-Salem, N. C. Plans completed. Architect will be ready for bids in a few days.

Hotel, Alexander, Virginia. Architects and engineers, Day & Zimmerman, 1600 Walnut street, Philadelphia. Owners, Northern Virginia Hotel Corporation, Alexander, Va. Brick, cut stone, steel, 6 stories and basement, 100x113 feet, slag roof, cement floors, elevators, steam heating, electric light, metal lath, tile and marble work, rolled steel skylights, ornamental iron work. Engineers will build. Ready for sub-bids in 10 days.

Residences (2), Wilmington, Del. Architect, John A. McKibbin, Industrial Trust Building, Wilmington. Owner, T. F. Magarity, 900 South Broome street, Wilmington, Del. Brick, 2½ stories, 20x30 feet, composition and tin roof, hardwood floors, hot air heat, electric light. Owner taking bids.

Residences (2), Wilmington, Del., \$5,000 each. Architect, John A. McKibbin, Industrial Trust Building, Wilmington. Owner, E. W. Samworth, 439 South Sycamore street, Wilmington, Del. Brick, 2½ stories, 20x30 feet, composition and tin roof, hardwood floors, hot water heat, electric light. Owner taking bids.

Miscellaneous Contracts Awarded

Residence (alts.), 78 West Forty-seventh street, New York City. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owner, A. R. Boyd, care of architect. Carpentry and mill work, sheet metal work, plastering, painting and glazing, hardware, plumbing, steam heat, electric work, bond, shoring, limestone, steel iron work, metal lath, pine floors, galvanized iron skylight, slag roof. Contract awarded Huhn, Smith & Harris, 461 Eighth avenue, New York.

Residence and Garage, Winston-Salem, N. C. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, E. W. O'Hanlon, Winston-Salem, N. C. Hollow tile, stucco, 3 stories, 70x37 feet, 2 stories (2 car), (heating, plumbing, lighting, tile work reserved), tile roof, hardwood, composition cement floors. Contract awarded Fogle Brothers, Winston-Salem, N. C.

Stadium, Pittsburgh, Pa. Engineers, Stone & Webster, Boston, Mass. Owners, University of Pittsburgh, Pittsburgh, Pa. Reinforced concrete, 600x800 feet, concrete floors, steam heat, electric light, plumbing, waterproofing. Contract awarded Turner Const. Co., 11 Goodall street, Buffalo, N. Y.

Proposal

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., February 3, 1925. SEALED PROPOSALS will be opened in this office at 3 P. M., March 2, 1925, for repairs to and completion of the Mechanical Equipment, at the Immigration Station, Baltimore, Md. Drawing and specifications may be obtained from the Custodian of the Station at Baltimore, Md., or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., February 3, 1925. SEALED PROPOSALS

will be opened in this office at 3 P. M., March 2, 1925, for Miscellaneous items of Repair, Restoration and Completion (including removal of certain temporary structures, re-roofing, exterior and interior painting, etc.) at the United States Immigration Station, Baltimore, Md. Drawings and specifications may be obtained at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., February 27, 1925. SEALED PROPOSALS will be opened in this office at 3 P. M., February 19, 1925, for the construction of a one-story fireproof garage, approximately 29,500 square feet ground area, for the Government Fuel Yards, Bureau of Mines, Department of the Interior at Washington, D. C. Drawings and specifications may be obtained at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

(Continued from Page 84)

many others, have joined hands to teach the public how to become home owners instead of rent payers, and then how to build better homes and so protect their investments.

In this connection, officials of these trade organizations state that a wide dissemination of the principles included in this Code will in time banish unscrupulous contractors, building supply dealers, and firms engaged in selling shoddy and flimsy material. In addition, it is also stated, that this will not only benefit the general public by giving them better homes, but be of assistance to the reputable firms engaged in selling building materials, plumbing equipment, heating and ventilating systems and other products who are often blamed for faulty construction, and cheap substitutions. In other words, in the opinion of the experts engaged in the preparation of this unique paper, the public is often apt to blame the exterior stucco used when it cracks or the wall paper when it tears, though faulty construction and defective frame work may be entirely responsible. Similarly, the uninformed are apt to hold guilty the contractor of a well built house if a poor heating plant makes trouble for the owner. The education of the public on correct methods and the use of good materials will, therefore, also protect reliable contractors and reliable firms.

Following are some of the "high points" of the Code that have caused widespread comment among the allied trades:

1. The Exposition cannot recommend the purchase of homes built for speculation unless such homes have been built from properly executed plans, and honestly constructed under the advice of competent authority.

2. The Exposition opposes the exploitation of the public through the selling of flimsily built, improperly planned structures, or materials and equipment which do not comply with

recognized standard specifications of manufacture.

3. In standing for honest construction the Exposition realizes the possibilities of substitution of shoddy for good materials that poor workmanship will weaken a house, increase the upkeep and reduce its useful life to a very few years; that failure to properly insulate the house will greatly add to the fuel consumption * * * that the home builder or home buyer should learn the fundamental principles of good construction methods in order that he may not be misled into building or buying a badly planned, poorly constructed home.

4. The Exposition does not approve exhibits of any real estate firm or corporation unless it is in position to offer with the purchase of the lot a definite proposition for the financing of the home.

5. The Exposition believes that the laying out of subdivisions or building development sites should be in keeping with a harmonious plan of city or suburban community development along scientific city planning lines, that proper restrictions be provided, including zoning laws to prevent the damaging of property due to the encroachment of factory and business sections or residential property.

6. The Exposition believes that the prospective purchaser of a home or a homesite is entitled to what is generally known as the unearned increment due to the gradual development of the community after the purchase has been made, and that the sale prices of all property, at all times, should be based on its value at the time of the purchase.

7. The Exposition in recognizing the co-operatively owned apartment as a home, realizes that there are many so-called co-operative or tenant ownership plans advanced, many of which have not as yet been given the test of time, and is therefore, for the present in a position to recommend but one form of co-operative ownership, generally referred to as the 100 percent tenant ownership plan and organized on the standardized basis approved by the National Association of Real Estate Boards.

8. The Exposition believes that home savings accounts should be encouraged by trust companies, savings banks, and savings and building loan associations, and that the funds established through such saving accounts should be used exclusively for the financing of homes and that due recognition should be given good construction by granting higher loans.

9. The Exposition does not approve exhibits of any building materials unless there is assurance that the manufacturer can finance ample production to supply the demand * * * nor does it approve exhibits staged for the purpose of financing or promoting stock sales.

10. The Exposition, while recommending the use of standard building materials, encourages the production and use of other suitable materials, when such materials have, through tests under proper engineering supervision, proven of substantial value.

11. The Exposition recommends that home builders do not attempt to economize in the construction of their homes by selecting poor equipment because it is cheap, and that true economy is in careful planning and then buying good material as cheaply as possible and seeing to it that they are properly installed.

12. * * * The Exposition has adopted a rule that no products will be accepted for exhibition unless the manufacturer complies with such standard specifications as are adopted by their respective national associations or that the product has been approved and recommended by the exhibit committee under whose classification it belongs.

13. The Exposition believes that the love of home is largely begotten and maintained by using good taste in the decoration of the rooms, choice of furnishings and proper lighting.

14. The Exposition believes that an appropriate landscape development, such as involves no extraordinary expense, either in initial outlay or in upkeep, is a very real insurance against deterioration of the home property.

In a paragraph covering the general supervision of the Expositions in all four cities, the Code states that the Committees of Administration are unequivocally opposed to irrelevant exhibits, misrepresentation, amusement features, circus stunts, distribution of souvenirs, importuning of visitors, ballyho-ing or distracting noise.

ANCIENT AND MODERN DECORATIVE TILE

Tile was one of the earliest of man's manufactures. The ancient Assyrians who used brick extensively, both structurally and decoratively, embellished their buildings with tile of brilliant color. Elaborate picturizations of heroes, monsters and storied legend were not uncommon, and even in that dawning day of civilization, glazed tile had its decorative importance.

Ancient Persian luster is known through the tiles with which the walls of mosques and public buildings were decorated. Arabesques, birds and animals, figures of people were all common motives. The designs were usually received in a lustered ground relieved by scrolls, curls and dots etched in the luster, and showing beneath the ivory white tin-enamel with which the early wares were coated.

Most Oriental countries developed the use of tiles magnificently throughout the middle ages. Persia, Constantinople, Damascus, Cairo and Moorish Spain are

especially renowned for the beauty of their efforts. There are some tiles, evidently parts of sets, which, when complete, formed larger and more elaborate patterns. In others, each individual tile is complete in itself as to design. On certain mosques towers of northern Africa, faience tiles follow a checkered pattern, and in brilliant colored grouping, alternate tiles are identical, one with the other, while the others vary in the fullest measure.

From the twelfth to the sixteenth century a special lustered tile was used extensively for dadoes, friezes and other parts of wall surfaces. These were frequently made in large slabs modeled in bold relief with sentences from sacred books. Often a deep blue upon a cream enamel was the foundation, and in the last firing, tiny ornaments in copper luster were added to increase the richness.

The conquering Romans used tile lavishly both indoors and for exterior color, but since the subjects were to a noticeable degree taken from Greek history, it is believed that the work was done by Greek artists in Italy.

With the Arabs and Moors in the eighth to twelfth centuries the use of tile as practiced by these people was introduced to Europe. Its popularity in the Mediterranean countries was logical. The climate was hot, interiors were shaded and dark, furnishings were few. Tile offered a surface that was cool, that reflected such light as there was, that was easily cleaned, and, appealed to those color-loving peoples for its decorative quality as well.

These very virtues made its progress slow to the North, where warmer textures were preferred, and where the more extended use of window glass later made the reflecting surface of tile unnecessary. That tile, however, was well thought of even in these more rugged climes is readily demonstrated by the use in Germany and Switzerland, of tiled stoves, a fine example of which has been set up in the Metropolitan Museum of Art, showing to what extent tile may be embellished. Here it bears Biblical history in each of many panels adorned by borders and other designs, and setting forth the story in script as well as pictures.

The English were rather apathetic to most phases of the ceramic art, and it was well into the fourteenth century before anything worthy of notice was evolved. Then, however, beautifully designed encaustic or inlaid flooring tiles were made by monastic orders, their art probably brought from the Continent. The designs were first empresse in the clay and the depression filled in with clay of another color.

The difficulty of regulating the composition of these clays so that they should shrink equally during firing was consid-

erable. It was, however, overcome, and innumerable variations were carried out in the designs. Many beautiful pavements of these encaustic tiles may be seen today in Westminster Abbey, Ely Cathedral and other ecclesiastical structures. With the downfall of the monasteries under Henry VIII, the practice ceased in England and foreign tiles were imported for the next two hundred years following. Many of the tiles of medieval days were emblematic and decorated with royal arms, religious symbols and the like.

The earliest form of stamped Spanish tile decoration was suggestive of mosaic, pieces of enamelled tile of various colors being arranged in geometric patterns combined with glass or stone for the purpose. In the fourteenth century and also in the fifteenth, this process was supplanted by one in which the several units of tile were divided rather by means of narrow bands of the same material. The pattern was originally large in scale, requiring many separate pieces to make up one unit of the design. The lavish tile work of the Alhambra was largely of this character.

Spanish tiles with intaglio patterns filled in with colored glazes were extensively produced in the sixteenth century. These are known as Cuenca tiles, and while not suitable for floors are very decorative when used for walls.

The term majolica was first applied to Hispano-Moorish lustered faience brought into Italy from western Spain via Minorca, and then to faience made in Italy chiefly during the fifteenth and sixteenth century. The clay was first fired, then coated with an opaque tin-enamel, upon which the decoration was painted, then again fired. Faience is the term applied to majolica manufactured at Faience, the most important pottery centre in Italy. There is more restraint of tone in Italian Renaissance work than in either the Spanish or the Oriental, in which brilliant color is conspicuous.

Dutch tile, of enameled earthen ware, was usually painted in blue. The use of tile in Holland was principally for wainscoting, as the Dutch builders found it less expensive than wood and very decorative. Scriptural subjects were most in evidence, but many others were architectural landscape and domestic scenes. The architectural tiles include a water gate and towers, a bridge a walled town and a group of buildings. There are landscapes in which houses and rivers and mountains are seen, as well as others where shepherds tend their flocks and men fish.

Tile making in the modern sense dates in Europe at about 1830 when Samuel Wright, a potter of Shelton, England, was granted a patent for the manufacture of tile by mechanical means.—*Associated Building Contractor of Illinois.*

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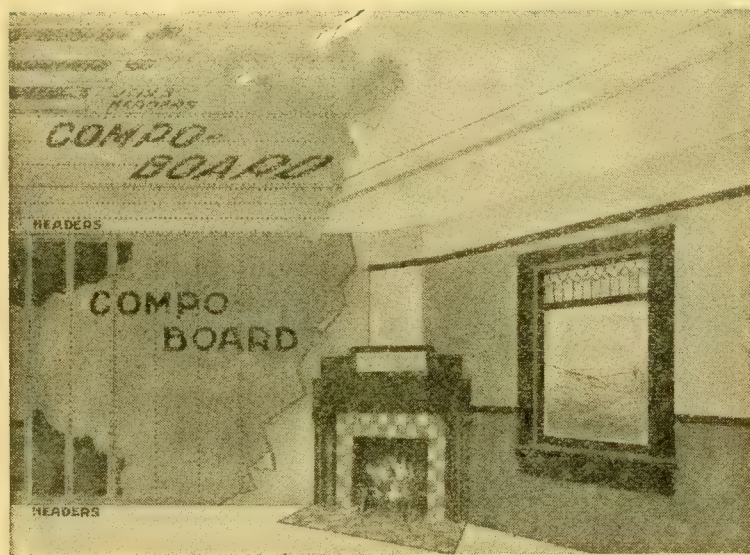
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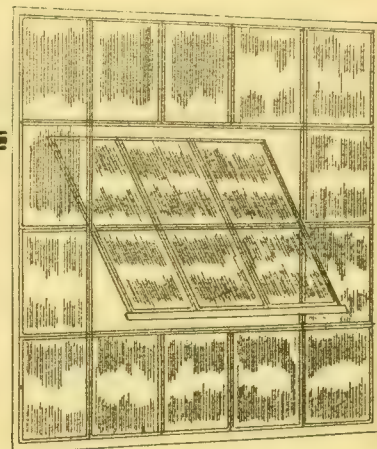
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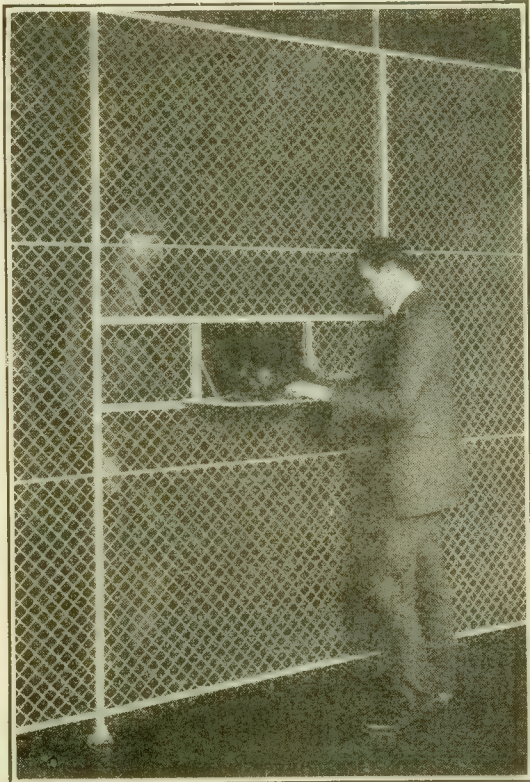
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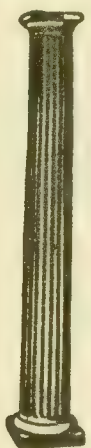
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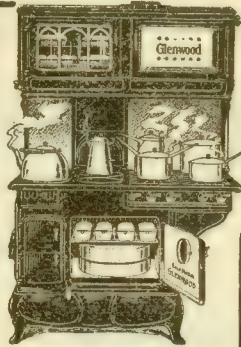
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VOLUME XL

Number 7

Engineering and the Building Trades

PHILADELPHIA

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As The Editor Sees It



"CONSTRUCTION AND CONSTRUCTION MATERIALS"

*A Handy Summary of Facts and Figures
on the Construction Industry Issued
by the Department of Commerce*

The Department of Commerce announces the reprinting of the articles on Construction and Construction Materials from the Commerce Yearbook for 1923, in a separate pamphlet. The reprint includes a 24-page article on "Construction" and 19 pages devoted to certain construction materials, namely, lumber, cement, structural steel, burned clay materials, building stone, crushed stone, sand and gravel. The text contains twenty-five concise tables of basic statistics, and five diagrams to show principal tendencies.

"Construction" Defined

The term "construction" is used "to cover the construction and alteration of buildings, roads, canals and locks, bridges, railroads, harbor works, subways, tunnels, water supply systems, and other work that produces a more or less fixed structure or alteration of the natural topography. The term is not used here to cover ships, railway rolling stock, or movable machinery.

'Construction activity is most properly measured in terms of employment of men and equipment and consumption of materials and supplies. Since figures covering these points are not now avail-

able, those showing contracts awarded and building permits, corresponding in a general way to statistics of sales in manufacturing industries, must be used very largely instead."

It is pointed out that actual building takes place after permits have been taken out or contracts awarded, so that great activity in building may continue for some time after a marked falling off in these indicators. The fact is also brought forward that according to the National Bureau of Economic Research from 8 to 12 per cent. of the national income went into construction each year from 1909 to 1916, and the figure for 1923 was probably within this range.

Relation of Construction to General Conditions and Business Cycles

"The degree of activity in construction bears a close relation to general business conditions. Extensive construction and equipment of new buildings results not only in large employment of building-trades labor but in active production of lumber, cement, iron and steel products, nonferrous metals, brick, stone, sand and gravel, lime, hardware, paint, electrical equipment, furniture, textiles, etc. If building falls off there is bound to be a slackening in many other lines of industry.

"Building activity is influenced both by the cost of the building and by interest rates. High prices, high wages, and high interest rates are likely to accompany

each other in the business cycle, and when the feeling becomes general that they are due to decline, building operations ordinarily slacken.

"When building activity is lowest, which is generally during a period of business depression, an upward tendency is likely to start before general business conditions show marked recovery. Low building costs are apt to bring into the market home builders and organizations that have saved up money. Municipalities can float bonds at low interest rates, and this tends to stimulate public works. Industrial building, however, appears to follow the requirements of expanding industrial activity and is more likely to be at a peak when the cost of building is high.

"Periods of great building activity and of dullness are apt to follow in quick succession owing to the lack of co-ordination between selling and producing efforts which has characterized the industry.

"It happens not infrequently that local shortages of one or more building materials arise because of a demand greater than anticipated by dealers, on account of transportation delays, or because of difficulty in obtaining prompt shipments from producers, or perhaps from a combination of all three circumstances.

It is pointed out that the highest rate of building operations is reached in June, July, August and September. This fact

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was brought out in a survey of Seasonal Operation in the Construction Industry made by the Division of Building and Housing of the Department of Commerce. Although construction contracts and building permits are customarily higher in the spring months, the maximum employment of men and consumption of materials does not result until the summer.

In connection with the index numbers of building material prices and construction costs, it is pointed out that most construction is performed on the basis of contracts let at the start of the operation, and contractors in submitting estimates take into account anticipated changes in costs; hence not one index can represent exactly the costs both to the owners and the contractor. An index for one class of buildings using certain materials and constructed largely with unskilled or semi-skilled labor would vary decidedly at times from an index for a highly finished structure using largely other materials and in which a large percentage of skilled labor is utilized.

Among other leading points in the article on "Construction" are a discussion of tables showing contracts awarded by months for various classes of construction for five years; the proportion different classes of construction form of total construction for five years; a table of index numbers of building material prices, and construction costs; a discussion of certain building trades labor problems, financing of building operations, factors affecting the demand for new construction, the simplification and standardization of building materials, tendencies in the municipal regulation of building, building research, and the movement supported by Secretary Hoover to distribute building activity better throughout the year, and in relation to the business cycle.

The slight increase in building costs shown by the figures for January is not to be taken as the beginning of a general rise, according to the interpretation placed

upon the statistics by officials of the Associated General Contractors of America.

In a statement issued February 11, it was pointed out that the slight increase noted during the past month was due to a minor advance in labor rates and material prices in a few cities. The average cost of construction in the principal building centers of the country rose one point during January to reach the index number 202.

The volume of construction in January, as indicated by shipments of materials, dropped thirty-five points below the index figure of 155 for the preceding month, due to a cold-weather slackening of operations. This decline is not believed to forecast any significant curtailment of construction during the coming year. The total volume for 1924 was the greatest on record, being four per cent more than that of 1923, which in turn was sixty-three per cent higher than that of 1913.

Though awards of building contracts in a group of twenty-seven northeastern states fell in their total to some thirty points below the figure for the two preceding months, a study of the general trend indicates the probability of continued high activity during 1925. This same indication is carried by totals of building permits issued in twenty cities.

SAND LIME BRICK MAKERS ADOPT SIMPLIFIED SIZE

Following the example set by the face brick and common brick industries, the Sand Lime Brick Association, at a convention held recently in Toronto, Canada, adopted recommendations to the effect that, beginning August 1, they would concentrate on one "recognized" size of sand lime brick. This size will supplant 45 varieties now made, and will be 8 inches long, $3\frac{3}{4}$ inches wide and $2\frac{1}{4}$ inches thick.

The action was taken as a result of co-operation of the Division of Simpli-

(Continued on Page 111)

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CONTEMPLATED CONSTRUCTION: ARCHITECTS AND OWNERS: COST LIMIT: LAST DAYS FOR FILING BIDS:

CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED: ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Store and Residence (alts. and add.), Howard and Dauphin streets, Philadelphia. Architect, Peter F. Getz, Victory Building, Philadelphia. Owner, John Isler, on premises. Hot water heating, electric work, plumbing, metal bulks, plate glass, marble work, brick work, carpentry and mill work, plastering, metal ceilings. Architect taking bids due February 23rd at noon.

Purchasing Agent E. J. Lafferty, 312 City Hall, Philadelphia. Owners taking bids due February 25th at noon. Sand discharged hose, corporation ferrules, X-ray film, lime, filing equipment lumber, iron, treating tanks, white oak and hickory lumber, wiping netting, marbholes, frames and covers, gate valves, sleeves, etc. Wagon parts.

Bridge, Bustleton avenue at North Penn Branch of Philadelphia and Reading. Architect, private plans. Owners, Bridge Division, Bureau of Surveys, and Philadelphia and Reading Railroad, Twelfth and Market streets, Philadelphia. Widening street to 40 feet and replacing present 24-foot bridge. Plans in progress.

Janitors' Supplies, Miscellaneous Supplies, etc., Philadelphia. Owners, School District of Philadelphia, Nineteenth above Chestnut street, Philadelphia. Owners taking bids due March 5th at noon.

Church, Falls of Schuylkill, Philadelphia. Architect, George I. Lovatt, 223 South Sydenham street, Philadelphia. Owners, St. Bridget's Roman Catholic Church, Rev. Monsignor W. J. Walsh, on premises. Stone, brick, cut stone, steel, 1½ stories, 70x97 feet, wing 71x52 feet, tin and slate roof, cement and pine floors, metal lath, metal window guards, waterproofing, ornamental iron work, metal casement sash, bluestone, limestone, cast stone, metal lath (marble, tile and terrazzo work reserved). Architect taking bids due February 26th.

Garage Building, Dorrance and Fitzwater streets, Philadelphia. Architect, J. S. Fuller, 5438 Locust street, Philadelphia. Owner, A. Poall, 1818 Fitzwater street, Philadelphia. Brick, 2 stories, 70x110 feet, concrete, structural steel, slag roof, cement floors, elevators, steam heat, electric lighting, rolled steel sash. Architect taking bids due February 20th.

Residences and Garages, (6) Clapier street and Laurens avenue, and (11) Abbotsford and Laurens avenue, \$5,500 each. Owners, John J. Bateman & Son, Seventeenth and

Sixty-seventh avenue, Philadelphia. Brick, 2 stories, 16x36 feet, 12x14 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residences (6), (4) Pierce and Duncan streets, and (2) Belgrade and Lefevre streets, Philadelphia, \$4,000 each. Owner, Alex. Jas-trzenski, 4539 Bermuda street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 46 feet, slag roof, hot water heat, electric light. Owner will build.

Residences (2), 7232-34 Tabor street, Philadelphia, \$5,000 each. Architect, private plans. Owner, Charles Freeman, 7323 Claridge street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Apartment House, Seventy-second and Woodland avenue, Philadelphia, \$200,000. Architect, private plans. Owners, Seely & Co., 1504 Locust street, Philadelphia. Brick, 4 stories, 36xx135 feet, slag roof, hardwood floors, electric light, tile work. Plans about completed. Owners will be ready for sub-bids in two weeks.

Church, Germantown and Coulter streets, Philadelphia. Architect, H. W. Sellers, Stephen Girard Building, Philadelphia. Owners, St. Luke's Protestant Episcopal Church, Rev. W. E. Conkling, 5411 Germantown avenue. Stone, 1 story. Preliminary plans in progress.

Bank Building, Northeast Corner Fifteenth and Walnut streets, Philadelphia. Architects, Day & Klauder, Franklin Bank Building, Philadelphia. Owners, Drexel & Co., Fifth and Chestnut streets, Philadelphia. Preliminary plans in progress.

Building, 3953 Haverford avenue, Philadelphia. Architect, W. P. Cameron Engr. Co., Witherspoon Building, Philadelphia. Owner, Mr. Jittleton, Lancaster avenue and Haverford avenue, Philadelphia. Plans in progress. Details undecided.

Residences (6) and Garage, Lincoln Drive, Philadelphia. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owner, name withheld. Hollow tile and stucco, 2½ stories, hot water heat, electric light, slate roof, hardwood floors, tile and marble work. Plans in progress.

Residence (alt. to club house), 1622 Locust street, Philadelphia. Architects, Bissell &

Sinkler, 1520 Locust street, Philadelphia. Owners, Women's City Club, The Wellington, Philadelphia. General interior alterations, mechanical equipment. Plans in progress.

Loft Building, Hunting Park avenue, West of Broad street, Philadelphia. Architect, Philip S. Tyre, 1509 Arch street, Philadelphia. Owner, Joseph J. Greenberg, Morris Building, Philadelphia. Reinforced concrete, 6 stories, steam heat, electric light, rolled steel sash, concrete floors, elevators. Two track siding, 10-car capacity. Plans in progress.

Factory Building, Richmond and Tioga streets, Philadelphia. Owners, David Weber & Co., Fifth and Locust streets, Philadelphia. 500x215 feet. Work contemplated.

Printing Plant, Fifty-fifth and Sansom streets, Philadelphia. Architect, Clarence Wunder, 1520 Locust street, Philadelphia. Owners, Security Bank Note Co., 223 Chestnut street, Philadelphia. Brick, concrete, steel, 3 stories. Preliminary plans in progress.

Residences (75), Roosevelt Boulevard and Oxford Circle, Philadelphia. Architect, private plans. Owners, George Osborne & Son, Pratt and Oakland streets, Philadelphia. Brick, 2 stories, 16x40 feet, hot water heat, electric light, slag roof, oak floors. Work contemplated.

Chestnut Street Tube, Delaware River to Forty-second street, Philadelphia. Architect, private plans. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Work contemplated.

Duplex Apartment Building, Southwest Corner Fifty-first and Dakota streets, Wynnefield, Pa. Architect, Edward A. Roth, Drexel Building, Philadelphia. Owner, Nathan Lavittie, 3822 Girard avenue, Philadelphia. Stone, stucco, 2 stories, 32x65 feet, Spanish tile roof, hardwood floors, hot water heat, electric light, tile work. Sketches in progress.

Residence and Garage, Dakota near Fifty-first street, Wynnefield, Pa. Architect, Edward A. Roth, Drexel Building, Philadelphia. Owner, William Sabol, 6033 Oxford avenue, Philadelphia. Stone, 2½ stories, 30x42 feet, with wing, slate or tile roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

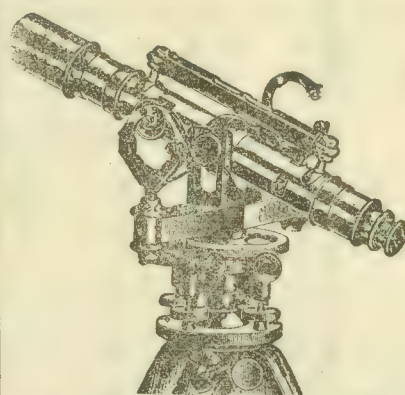
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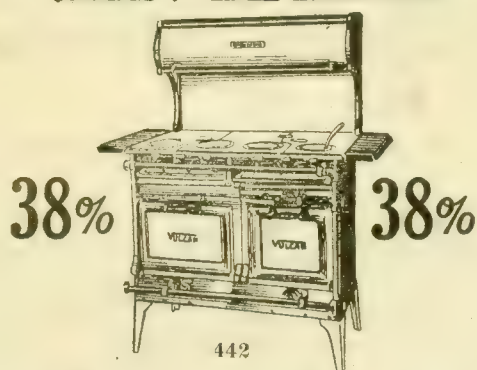
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Drexel Building, Philadelphia. Owner, Jacob Sall, 5075 Parkside avenue, Philadelphia. Stone, 2½ stories, 30x40 feet, slate or tile roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Residence and Garage, Dakota street, Wynnefield, Pa. Architect, Edward A. Roth, Drexel Building, Philadelphia. Owner, name withheld. Stone, 2½ stories, 31x42 feet, slate or tile roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Residences (2), Overbrook, Pa. Architect, J. E. Lowry, Land Title Building, Philadelphia. Owners, Cashman & Gallagher, Overbrook, Pa. Stone, hollow tile, stucco, 2½ stories, 40x65 feet, slate roof, hardwood floors, electric light, tile and marble work. Plans about completed, ready for bids in a week.

Lodge Building, Southwest Corner Sixteenth and Oxford streets, Philadelphia. Architect, E. A. Weightman, Bankers' Trust Building, Philadelphia. Owners, Central Odd Fellows' Hall Association, care of architect. Brick, stone, cut stone, limestone, steel, 4 stories and basement, 157x40 feet, cement, maple and composition floors, hollow tile, plumbing, waterproofing, ornamental iron work, bond, rolled steel sash, metal lath, steam heat, electric light, metal partitions. Architect taking bids due February 26th.

Parish House, Branchtown, Pa. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owners, House of Prayer, Branchtown, Pa. Stone, precast stone, steel, 2½ stories, 75x30 feet, slate roof, composition and maple floors, steam heat, electric light, metal lath, steel casement sash, bond, ornamental iron work. Architect taking bids due February 24th.

Garage-Farm Building, Chestnut Hill, Pa. Architect, H. Trumbauer, Land Title Building, Philadelphia. Owner, Arthur H. Lee, Chestnut Hill, Pa. Stone, frame, 1½ stories, 25x60 feet, 33x37 feet, 36x44 feet, slate roof, cement floors, electric lighting. Architect taking bids due February 20th.

Store and Apartment (alts. and add.), Northeast Corner Sixty-third and Vine streets, Philadelphia. Architect, private plans. Owner, William Schwarzman, 40 North Sixty-second street, Philadelphia. Brick, concrete, cement, iron work, tile and marble work, new slag roof, oak floors, plastering, carpentry and mill work, limestone, hardware, painting, glazing, hot water heat, plumbing, wrought iron pipe. Owner taking bids due as soon as possible.

Bank Building, Tenth above Chestnut street, Philadelphia. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owners, Federal Reserve, 923 Chestnut street, Philadelphia. Brick, steel, concrete, 5 stories. Architects taking bids due March 9th.

Grain Elevator, Twentieth and Pennsylvania avenue, Philadelphia. Architect, private plans. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Reinforced concrete, steel. Owners taking bids due February 28th.

Roberts Avenue Addition, Roberts avenue and King street, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Atwater Kent Mfg. Co., Wissahickon avenue and Abbotsford road, Philadelphia. Time extended indefinitely. Bulletin will be issued to general contractors covering changes in plans.

Equipment, Philadelphia. Owners, Department of Public Works, Bureau of Recreation, 595 City Hall. Owners taking bids due February 24th at noon. George A. Vare, Kensington, Cohocksink Recreation Centers: Furnish and deliver chairs, tables, desks, etc. Furnish and install gym equipment. Kensington Recreation Center, furnish and install steel lockers.

Seamen's Institute, Second and Walnut streets, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Seamen's Institute, on premises. Architect taking bids on electric lighting fixtures due February 24th.

Residence (alts. and add.), Haines, East of Chew street, Germantown, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, J. Henry Parker, 4401 Germantown avenue, Philadelphia. Stone, 2 stories, 30x40 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble work, plumbing, painting and glazing, plastering. Owner will build. Ready for sub-bids.

Building (alts.), Southeast Corner Twelfth and Chestnut streets, Philadelphia. Architect, private plans. Lessee, Charles Nester and Yang Chang, 1302 Race street, Philadelphia. General renovations to second floor, widening stairway, new balcony, composition floors, painting, interior decorating, plumbing, electric work, tile and marble work. Owners taking sub-bids.

Residence (alts. and add.), 1916 Rittenhouse street, Philadelphia. Architect, Edwin L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, Dr. William H. Fineshriber, on premises. Brick, stucco, 3 stories add., 28x40 feet, slag roof, hardwood floors, limestone, steel casements, remodeling, heating, lighting, tile and marble work, wrought iron. Owner is subletting.

Office Partitions, Sydenham and Locust streets, Philadelphia. Architects, De Armond, Ashmead & Bickley, 200 South Fifteenth street, Philadelphia. Owners, Harrison Smith & Co., on premises (Guy Building). Cabinet

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Residences (56), Clearview street (6400 block, Philadelphia, \$6,750 each. Architect, private plans. Owner, J. S. Wurts, 267 East Johnson street, Philadelphia. Brick, 2½ stories, 15x35 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Owner taking sub-bids due February 21st.

Parsonage (general remodeling), 5300 Germantown avenue, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owners, Trinity Church, care of architect. Stone, general remodeling, 2 stories. Architect sub-letting.

Apartment Building, North side Pine, East of Forty-fifth street, Philadelphia. Architect, Guy B. Johnson, 5413 Media street, Philadelphia. Owners, Rosemont Const. Co., care of G. Harry Swannfeld, 1317 Widener Building. Brick, steel, limestone trim, 4 stories, 100x147 feet, slag roof, hardwood floors, steam heat, electric light, tile work, ornamental iron work, electric elevators (refrigeration and incinerators reserved). Owners taking sub-bids due February 21st.

Residences (25), Horrocks, between Pratt and Bridge streets, Philadelphia. Architect, private plans. Owners, George Osborne & Son, Pratt and Oakland streets, Philadelphia. Brick, 2 stories, 16x35 feet, hot water heat, electric light, slag roof, oak and pine floors, ornamental iron work. Owners will build. Ready for sub-bids in two weeks.

Residences (62), Albanus and C streets, Philadelphia. Architect, private plans. Owners, Finestone & Mittelman, 410 East Rockland street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, oak floors, hot water heat, electric light. Owners will build early in March.

Residences (70), Thirty-second and Allegheny avenue, Philadelphia. Architect, private plans. Owner, Morris L. Miller, Thirty-second and Allegheny avenue, Philadelphia. Brick, 2 stories, hot water heat, electric light, slag roof, oak floors. Owner will build, work about to start.

Frankford Community Field, Wakeling, Rutland, Large and Dyre streets. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Works, Bureau of City Property, 116 City Hall. Completion of grandstands, public comfort and team dressing rooms, running track, gravel walks, flagstone border, brick work, carpentry and mill work, painting and glazing, iron work, cement sidewalks and granite curbing (plumbing, drainage, electric separate). Owners taking bids due February 19th at noon.

Show Room and Garage, 3711 Chestnut street to Ludlow street, Philadelphia. Owner, Abraham Sharp, care of S. L. Cohen, 202 South Fifteenth street, Philadelphia. Steel,

concrete, 2 stories, 60x215 feet, slag roof, cement floors, steam heat, electric light, plate glass. Owner will take bids.

Moylan Park, Twenty-fifth and Diamond, Philadelphia. City architect, 1315 Walnut street, Philadelphia. Owners, Bureau of City Property, Department of Public Works. Supplying and erecting chain link screens, furnishing, repairing, refinishing and hanging picture frames Independence Hall. Owners taking bids due February 19th, Room 117.

Group of Buildings, Independence Hall, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Works, Bureau of City Property, Philadelphia. Lightning protection. Owners taking bids due February 19th.

Residences (52), Oakland, Sanger street and Cheltenham avenue, \$372,000. Architect, private plans. Owners, Bauerle & Nace, 227 Lindley avenue, Philadelphia. Brick, 2 stories, (4) 16x44 feet, (48) 16x30 feet, 12x14 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Owners will build.

Residences (5), East side Marshall street, North of Bristol street, \$5,000 each. Architect, private plans. Owners, Bauerle & Nace, 227 Lindley avenue, Philadelphia. Brick, 2 stories, 16x38 feet, 13x9 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Store and Residence (1), **Residences (3)**, Craig and Solly avenue, \$20,500 total. Architect, private plans. Owners, Holmesburg Concrete Co., Holmesburg, Philadelphia. Brick, (1) 3 stories, 16x42 feet, (2) 2 stories, 16x42 feet, and (1) 2 stories, 16x42 feet, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residences (22), **Stores and Residences (2)**, Third and Champlost avenue, \$119,600. Architect, private plans. Owners, Joseph M. Snyder & Son, Fourth and Nedro avenue, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residences and Stores (4), **Store (1)**, 344-46-48-50-52 East Cheltenham avenue, Philadelphia, \$18,500. Architect, private plans. Owner, William K. Dyer, 4929 Knox street, Philadelphia. Brick, 2 stories, (1) 20x28 feet, (3) 15x32 feet, 12x12 feet, and 1 story, 25x12 feet, hot water heat, electric light. Owner will build.

Store and Storage Building, 526 South street, Philadelphia, \$12,000. Architect, Ruben Beard, 2120 North Lambert street, Philadelphia. Owner, N. Goshaw, Southwest Corner Seventh and South streets, Philadelphia. Brick, 3 stories, 20x120 feet, slag roof, pine floors, steam heat, electric light. Owner will build.

Apartment (alts.), 6464 Germantown avenue, Philadelphia, \$8,000. Architect, private

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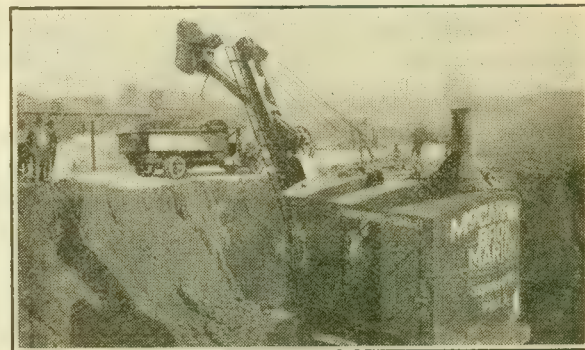
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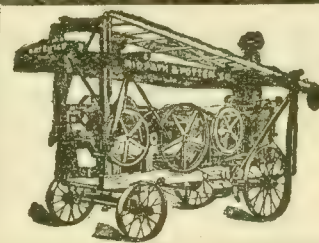


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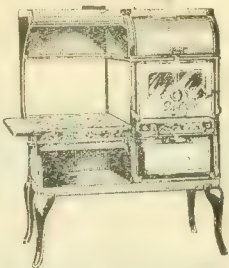
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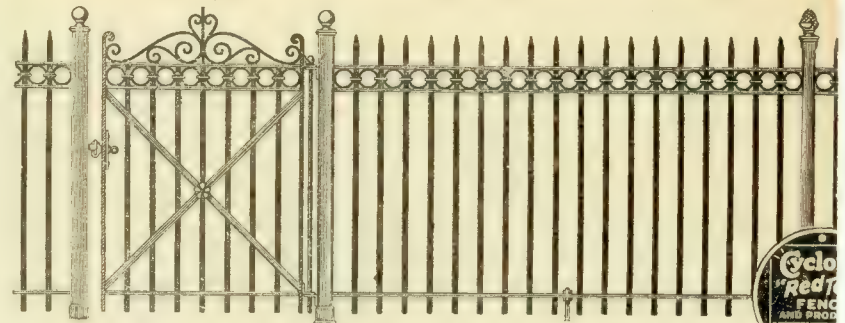
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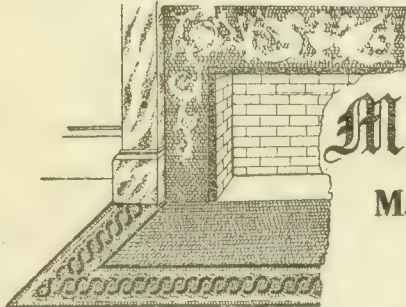
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plans. Owner, Howard A. Meixner, 3100 North Twenty-second street, Philadelphia. General alterations and new heating. Owners will build.

Residences (14), South side Mt. Airy avenue, East of Jefferson, \$6,500 each. Architect, Karl F. Otto, 1828 Arch street, Philadelphia. Owners, Hanken & Magen, 4207 Viola street, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Owners will build.

Residence, South side Longshore street, West of Loretta street, \$6,500. Architect, private plans. Owner, Charles H. Schroeder, 112 East Loudon street, Philadelphia. Frame, 3 stories, 24 feet 9 inches x 40 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residence, Northwest Corner Shelmire and Lawndale avenues, Philadelphia, \$5,500. Architect, private plans. Owner, Asa J. Hammer, 3147 North Sheridan street, Philadelphia. Frame, 2 stories, 26x38 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Shop and Store, 3364 Germantown avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Chris. Wagner, Ardsley, Pa. Brick, 1 story, 36 feet 5 inches x 85 feet, slag roof, pine floors. Owner will build.

Residences (2) (alts. and add.), East side Mt. Airy avenue, West of Stenton avenue, \$2,500 each. Architect, private plans. Owner, A. S. Tourison, Jr., 7014 Boyer street, Philadelphia. Brick, 2 stories add., 16x17 feet, general alterations. Owner will build.

Residences (2) (alts. and add.), 3808-10 Haverford avenue, \$3,000 total. Architect, private plans. Owner, Philip Silverman, 3201 Baring street, Philadelphia. Brick, second story add., 16 feet 6 inches x 30 feet, general alterations. Owner will build.

Miscellaneous Work, Philadelphia. Owners,

Department of Public Works, Bureau of Highways, 232 City Hall. Low bidders: Redressed granite block paving, Fifteenth street, Girard to Susquehanna avenue, United Paving Co., Real Estate Trust Building, Philadelphia, \$34,753.25; Fifteenth street, Lombardi, Inc., Lincoln Building, Philadelphia, \$36,489.95. Asphalt paving, Sixteenth street at Champlott street, Frank Mark Cont. Co., 2820 North Twenty-first street, Philadelphia, \$7,045.60. Beechon street, F. Mark Cont. Co., 2820 North Twenty-first street, Philadelphia, \$4,927.02. Rockland street, F. Mark Cont. Co., 2820 North Twenty-first street, Philadelphia, \$18,834.80; Sixteenth street, Olney to Grange, Barber Asphalt Co., Thirtieth and Race streets, Philadelphia, \$15,139; Barber Asphalt Co., Thirtieth and Race streets, Philadelphia (Thirty-second street), \$7,463.14. Dudley street, Barber Asphalt Co., Thirtieth and Race streets, \$22,235.43. Wister street, Barber Asphalt Co., Thirtieth and Race streets, \$19,723.85. Ellehart street, Eastern Paving Co., Colonial Trust Building, \$1,886.45. Shunk street, Eastern Paving Co., Colonial Trust Building, \$22,191.33. Wharton street, Eastern Paving Co., Colonial Trust Building, \$24,828. Brick paving, United Paving Co., Real Estate Trust Building, \$13,319.75. Dedressed granite block repaving, Germantown avenue,

Oxford to Towen street, Philadelphia, Mazzola & Marono, 739 South Seventh street, Philadelphia, \$106,909.65. Orthodox street, G. G. Centrone, 6339 Race street, Philadelphia, \$15,976.96.

Recreation Center and Shelter Building, Pensdale and Mitchell streets, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Welfare, Bureau of Recreation, Philadelphia. Low bidders: McCormick Lenham, 2301 South Broad street, Philadelphia, A, \$49,045; B, \$6,400. Kaufman Const. Co., Pennsylvania Building, A, \$55,150; B, \$6,300. Root Brothers, 541 Righter street, Philadelphia, A, \$54,300; B, \$7,800. Plumbing, L. J. Sommers, 2436 Brown street, Philadelphia, A, \$525; George Sandmann, 404 South Twentieth street, Philadelphia, \$1,396; L. J. Sommers, 2436 Brown street, A and B, \$2,342.

Grading, Philadelphia. Owners, Department of Public Works, Bureau of Highways, 232 City Hall. Low bidders: Daniel street, Root Brothers, Ridge and Righter street, Philadelphia, \$1,405.03; Foulkrod street, R. B. Wenner, 2313 Walnut street, Philadelphia, \$5,684.65; Hellerman street, R. B. Wenner, 2313 Walnut street, \$3,759.83; Wagner street, De-wees Brothers, 1974 Spencer street, \$590.80.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Store (alts.), 1013 Market street, Philadelphia, \$7,500. Architect, private plans. Owners, A. Milgrim, Inc., on premises. General alterations. Contract awarded to S. Yellin & Son, 3125 Montgomery avenue.

Building (alts.), 4254-56 Main street, Philadelphia, \$5,000. Architect, private plans. Owner, Marcus Weiss, 4233 Main street, Philadelphia. General alterations. Contract awarded to Daniel H. Wetzol, 590 East Johnston street, Philadelphia.

Residence and Garage, Large and Wakeling streets, Philadelphia. Architect, G. Harold Murphy, Drexel Building, Philadelphia. Owner, Harry Horrocks, care of architect. Stone, stucco, 2½ stories, 40x27 feet, wing 9x11 feet, shingle roof, oak and pine floors, electric light, tile work, ornamental iron work. Contract awarded George Rimer, 4842 Hawthorne street, Philadelphia.

Residences, Northwest Corner Allen Lane and Cresheim Road, Philadelphia, \$15,000. Architect, Ruben Beard, 2120 North Lambert street, Philadelphia. Owner, Leslie S. Mc-

Pherran, 405 Westview street, Philadelphia. Stone, 3 stories, 23x68 feet, and 1 story, 12x12 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Uncienzo Giordano Co., 1921 South Iseminger street, Philadelphia.

Garage, 2031-51 Lombard street, Philadelphia, \$48,000. Architect, J. E. Fieldstein, Otis Building, Philadelphia. Owner, Morris Heller, 1525 Locust street, Philadelphia. Brick, 2 stories, 159x68 feet, slag roof, cement floors, steam heat, electric light. Contract awarded to Marcus & Parkman, 429 South Fifty-second street, Philadelphia.

Residence, Durnley Park, Roxborough, Philadelphia. Architect, private plans. Owner, I. Grindrod, 10 South Eighteenth street, Philadelphia. Hollow tile, 2½ stories, heating not decided, electric light, tile work, shingle roof, hardwood floors. Contract awarded Curtis Grindrod, 10 South Eighteenth street, Philadelphia.

Residences (5), Sixty-fifth street near Girard avenue, Philadelphia. Architect, private plans. Owners, Di Renzo Brothers, 524 North Gross street, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, hardwood floors, tile work. Contract awarded Alex. Perna & Bro., 6413 Vine street, Philadelphia. Will start work in one month.

Garage and Shop, 6044-48 Hazel avenue, Philadelphia, \$18,000. Architect, J. Wilmer Thompson, 703 South Sixtieth street, Philadelphia. Owner, A. J. Becker, 5700 Cedar avenue, Philadelphia. Brick, 2 stories, 60x58 feet, slag roof, cement and pine floors. Contract awarded to Clark Brothers, Lansdowne, Pa.

Garage, 233-37 Tasker street, Philadelphia, \$18,000. Architect, private plans. Owner, Charles Gross, Land Title Building, Philadelphia. Brick, 1 story, 53x175 feet, slag roof, cement floors. Contract awarded to A. P. Lueker, 537 North Thirty-fourth street, Philadelphia.

Storage Building (repairs), North side Catharine, West of Swanson street, Philadelphia, \$12,000. Owner, N. Robinson, 790 South

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Swanson street, Philadelphia. General fire repairs. Contract awarded to M. W. Cooperson Co., Sixth and Jackson streets, Philadelphia.

Service Station (alts.), Southwest Corner Twenty-second and Spring Garden streets, Philadelphia, \$18,000. Architect, private plans. Owners, Mastbaum Brothers & Fleischer, 1424 South Penn Square, Philadelphia. General alterations. Contract awarded to George F. Pawling & Co., 1432 South Penn Square.

Residence and Store, 2321 West Columbia avenue, Philadelphia, \$9,000. Architect, private plans. Owners, Berger & Malkin, 2136 South Fourth street, Philadelphia. Brick, 3 stories, 17x27 feet, 15x38 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to William Liss, 2636 South Sheridan street, Philadelphia.

Office (interior alterations), 1424 South Penn Square, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, Mastbaum Brothers & Fleischer, Finance Building, Philadelphia. Contract awarded to Elmer Zeigenfuss, Finance Building, Philadelphia.

Tank, Seventeenth and Cayuga streets, Philadelphia, \$30,000. Architect, private plans. Owners, Holland Laundry Co., on premises. Steel tank. Contract awarded Starr & Wilcox, Atlantic Building, Philadelphia.

Store and Residence (alts.), 226 South street, Philadelphia, \$5,000. Architect, private plans. Owner, Benjamin Cohen, on premises. General alterations. Contract awarded to Charles Belinsky, 2630 South Eighth street, Philadelphia.

Residence, South side Olney avenue, West of Mascher street, Philadelphia, \$15,000. Architect, private plans. Owners, Misses Felton, St. Petersburg, Florida. Brick, 3 stories, 22x37 feet, 14x10 feet, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Stewart Brothers Co., 2526 North Orkney street, Philadelphia.

Stack, Southwest Corner Island road and Woodland avenue, Philadelphia, \$10,000. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, Fels Company, Seventy-third and Woodland avenue, Philadelphia. Brick, 200 feet high. Contract awarded to Alphonso Custodia Co., 1234 Callowhill street.

Garage (repairs), 5431 Vine street, Philadelphia, \$5,000. Architect, private plans. Owner, B. A. Miller, 5220 Walnut street, Philadelphia. General fire repairs. Contract awarded to G. Thomas Holloway, 27 South Sixth street, Philadelphia.

Residence, South side Loney street, East of Large street, Philadelphia, \$4,500. Architect, private plans. Owner, John J. Flynn, 6064 Hazel avenue, Philadelphia. Brick, 2 stories, 15x12 feet, 25x29 feet, hardwood floors, hot water heat, electric light. Contract awarded to G. B. Steinhauer, 1628 Foulkrod street, Philadelphia.

Residences (2), West side Sepviva street, North of Duncan street, \$3,800 each. Owner, Mike Stephens, 5203 Ward street, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, pine floors, electric work. Contract awarded to William W. Donag, 4462 Edgemont street, Philadelphia.

Building (repairs), Southwest Corner Fifty-sixth and Market streets, \$5,000. Architect, private plans. Owners, Kolb's Bakery, on premises. Repairing brick walls. Contract awarded to William Steele & Sons Co., 219 North Broad street.

Store and Office (alts.), Southwest Corner Chestnut and Juniper streets. Architect, F. E. Hahn, 629 Chestnut street, Philadelphia. Owners, Blum Brothers, on premises. General alterations. Contract awarded to David Lutz Co., Twenty-third and Chestnut streets.

Garage, 7239 Rising Sun avenue, Philadelphia, \$4,500. Architect, private plans. Own-

er, Mrs. Menke, 7234 Rising Sun avenue, Philadelphia. Iron, 1 story, 35x135 feet, cement floors. Contract awarded to M. Moister & Co., Hunting Park avenue and American street, Philadelphia.

Dye House (add.), 4313-15 North Third street, Philadelphia, \$5,500. Architect, private plans. Owners, Majestic Silk Hosiery Dyeing Co., on premises. Brick, 1 story add., 18x67 feet, 2 stories add., 18x13 feet. Contract awarded to Harry C. Haering, 1144 East Sedgley avenue, Philadelphia.

Residences (13), North side Sheldon avenue, East of Rising Sun avenue, \$5,000 each. Architect, private plans. Owner, E. McMaster, Southeast Corner Fairhill and Cheltenham avenue, Philadelphia. Brick, 2 stories, 15x32 feet, 10x10 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Louis Braeunig, Jr., Southeast Corner Fairhill and Cheltenham avenue, Philadelphia.

Warehouse (alts. and add.), 211 Wood street, Philadelphia, \$3,800. Architect, private plans. Owner, Mr. Rosen, on premises. Brick, 2 stories add., 3x12 feet, 15x18 feet, general alterations. Contract awarded to M. Grasshoffer, 529 Morris street, Philadelphia.

Rooming House (alts.), 1502 Spruce street, Philadelphia, \$3,000. Architect, private plans. Owner, S. Stern, 253 South Fifteenth street, Philadelphia. General alterations. Contract awarded to Frank Cohen, 907 Vine street, Philadelphia.

Residence (alts. and add.), 848 South Fifty-sixth street, Philadelphia, \$3,650. Architect, private plans. Owner, Dr. Fredericks, on premises. Brick, 3 stories add., 16x16 feet, 1 story add., 13x10 feet, general alterations. Contract awarded to William G. Ash, 5442 Westminster avenue, Philadelphia.

Garage, 227 East Collum street, Philadel-

phia, \$3,500. Architect, private plans. Owners, Home Service Laundry Co., 225 East Ashmead street, Philadelphia. Brick, 1 story, 21x88 feet, slag roof, cement floors. Contract awarded to Perry T. McCluskey, 419 West Luray street, Philadelphia.

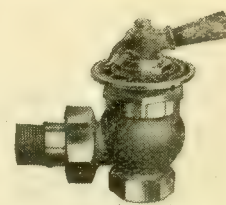
Residences (alts.), 1916 Rittenhouse Square, Philadelphia, \$3,000. Architect, Edwin L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, Dr. W. H. Fineshriber, 1916 Rittenhouse Square, Philadelphia. General alterations. Contract awarded to Arcade Const. Co., 605 Finance Building.

Residence and Store (alts.), 249 South Sixth street, Philadelphia, \$3,000. Architect, private plans. Owner, Harry Kattelman, Sixth and Pine streets, Philadelphia. General alterations. Contract awarded to A. Barsky, 3225 Arlington street, Philadelphia.

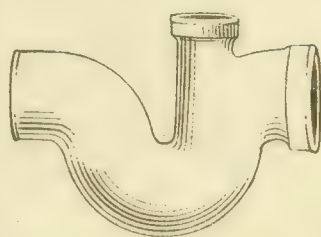
Warehouse (alts.), 503 Market street, Philadelphia, \$3,000. Architect, private plans. Owner, D. P. Harris, 99 Chambers street, New York City. General alterations. Contract

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awarded to A. R. Raff Cont. Co., 1635 Thompson street.

Store and Residence (alts. and add.), 6818 Chew street, Philadelphia, \$2,500. Architect, private plans. Owner, J. Sheridan, on premises. Brick, 1 story add., 15x15 feet, general alterations. Contract awarded to John Roman, 414 East Brighthurst street, Philadelphia.

Garage, Northwest Corner Asbury Terrace and Verbena avenue, Philadelphia, \$2,000. Owner, J. H. Cross, on premises. Stone, 2 stories, 21x22 feet, cement floors, electric lighting. Contract awarded to Bruce B. Wallace 412 Green Lane, Philadelphia.

Schools, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Contracts awarded: William Penn High School, Lam Building Co., 1001 Wood street, \$5,494; electric, E. F. Goldhahn,

4335 Chestnut street, Philadelphia, \$216. Willard School, Mitchell Brothers, 2125 Race street, Philadelphia, \$1,349. Lawndale School, drainage, N. Connolly, 1404 North Eighteenth street, \$2,250. Haynes School, electric, Walker & Kepler, 531 Chestnut street, \$1,239. Co-hocksink, electric, Enterprise Elec. Co., 239 South Tenth street, \$870. Ludlow, electric, Enterprise Elec. Co., 239 South Tenth street, \$1,638. Potter, electric, Enterprise Elec. Co., 239 South Tenth street, \$2,195. Agnew, electric, Enterprise Elec. Co., 239 South Tenth street, \$992. Orthodox and Hedge, electric work awarded E. F. Goldhahn, 4335 Chestnut street, Philadelphia, \$798.

Building, Broad and Bainbridge streets, Philadelphia. Owner, H. Potomkin, care of builder. Contract awarded H. Alterman, 2731 West Somerset street, Philadelphia. Work contemplated. Clearing site.

PENNSYLVANIA Construction News

Widening Bridge No. 65, over Naylor Run, South of Marshall Road, Upper Darby, Delaware County, Pa. Engineer, S. C. Hollister, Swarthmore, Pa. Owners, Delaware County Commissioners, care of County Controller, Media, Pa. Span 27 feet 4 inches; present width overall, 20 feet 10 inches, to be widened to 50 feet. Owners taking bids due February 17th at 11 A. M.

Parish House, Lansdale, Pa. Architects, Ritcher & Eiler, Allentown, Pa. Owners, St. John's Reformed Church, Lansdale, Pa. Architects taking bids due March 6th.

Feed Room and Silo, Laurelton, Pa. Architect, George S. Idell, Corn Exchange Building, Philadelphia. Owners, Laurelton State Village, Laurelton, Pa. Feed room, frame, 2 stories, silo, radial, 10 feet in diameter, 6-inch tile, plumbing, electric work, asbestos shingle roof, cement and wood floors. Plans completed. Owners will build.

Strand Theatre, Pottstown, Pa. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, Pottstown Theatre Co., G. W. Bennethum, 1307 Vine street, Philadelphia. Reinforced concrete, steel, brick, 3 stories and basement, 163x60 feet, cement and pine floors, Barrett's Specification roof, hollow tile, roof ventilators, shoring, dampproofing, bluestone, art glass, ornamental iron work, iron stairs, bond, tin-clad and kalamein doors, galvanized iron skylights, hollow metal sash, marble work. Architects taking revised bids due February 26th.

Residence, 3312 Pleasant street, Camden, N. J., \$3,700. Architect, private plans. Owner, William F. Todd, 832 North Thirty-second street, Camden, N. J. Frame, 1½ stories, 24x34 feet, asphalt shingle roof, hot air heat, electric light. Owner will build.

Store (alts. and add.), County Line, Ardmore, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, J. L. Pularico, on premises. Brick, 1 story, 16 feet 6 inches x 20 feet, slag roof, maple floors, electric light, heating extension, metal bulks. Plans in progress.

Residence, Bryn Mawr, Pa. Architect, John Charles Norton, Ardmore, Pa. Owners, Doyle Brothers, Martin avenue, Bryn Mawr, Pa. Frame, plaster, 2½ stories, 18x29 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Store Building, Lancaster avenue above Penn street, Bryn Mawr, Pa. Architect, John Charles Norton, Ardmore, Pa. Owners, Ardmore Fruit & Products Co., 22 West Lancaster avenue, Ardmore, Pa. Brick, 2 stories, 25x75 feet, slag roof, hardwood floors, hot water heat, electric light, tile and marble

work, limestone and terra cotta trim, plate glass, hollow metal doors, metal bulks. Architect ready for sub-bids in one week.

Stores (2), Apartments (4), County Line, Ardmore, Pa. Architect, John Charles Norton, Ardmore, Pa. Owners, Italian Grocery Co., Ardmore, Pa. Brick, 2 stories, 20x75 feet each, slag roof, hardwood floors, hot water heat, electric light, tile and marble work, limestone and terra cotta trim, plate glass, metal bulks, hollow metal doors. Plans about completed. Architect ready for sub-bids in one week.

Residence (alts. and add.), Township Line road and Arch street, Montgomery County. Architect, Charles W. Maslin, 428 Roxborough avenue, Philadelphia. Owner, C. W. Hornby, on premises. Cement, carpentry and mill work, oak flooring, plastering, tile work, caulking, painting and glazing, slag roof, electric work, iron work, plumbing, weather stripping. Architect taking bids due February 19th.

Residence, Jenkintown Manor, Pa. Architect, H. Rex Stackhouse, 1120 Locust street, Philadelphia. Owner, Mr. A. J. McKees, Newton Coal Co., Franklin National Bank Building. Stone, 2½ stories, 60x27 feet, shingle roof, oak and pine floors, hot water heat, electric light. Owner taking bids due as soon as possible.

High School, Mt. Joy, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owners, School Board of Mt. Joy Borough School District, Mt. Joy, Pa. Brick, 2 stories and basement, auditorium, gym, class rooms, etc. Preliminary plans in progress.

Residence and Garage, Wynnewood, Pa., \$25,000. Architects, Charles Barton Keen and Wallace, 338 South Smedley street, Philadelphia. Owner, Herbert K. Ball, Wynnewood, Pa. Hollow tile, stucco, 2½ stories, slate roof, hardwood floors (heating, lighting, plumbing, tile work reserved). Plans in progress.

Club (add.), Bala, Pa. Architect, Ralph White, Pennsylvania Building, Philadelphia. Owners, Philadelphia Country Club, Bala, Pa. Ball room, swimming pool, dormitory, kitchen. Details undecided. Plans in progress.

Twin Residences, Royersford, Pa. Architect, J. V. Poley, 162 Second avenue, Royersford, Pa. Owner, Samuel Thompson, 515 Walnut street, Royersford, Pa. Hollow tile, 2½ stories, 33x42 feet, asbestos roof, yellow pine floors, hollow tile, terra cotta flues, Morgan doors (heating, plumbing and electric work reserved). Plans in progress.

Bank Building, Bethlehem, Pa. Architects,

Ritter & Shay, Packard Building, Philadelphia. Owners, Lehigh Valley National Bank, R. E. Wilbur, Bethlehem, Pa. Stone, 2 stories, 60x140 feet. Plans in progress.

Library, Bloomsburg, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Bloomsburg Public Library, Thomas Moore, Bloomsburg, Pa. Brick and stone, 1 story. Plans in progress.

Hospital Building, Hanover, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Hanover Hospital, Hanover, Pa. Brick, stone, steel, 4 stories. Will accommodate 50 beds. Sketches drawn.

High School, Lemoyne, Pa. Architects, not yet selected. Owners, Lemoyne School Board, Mrs. J. E. Beale, president, Lemoyne, Pa. Too early for details.

Residence, Front street, Harrisburg, Pa. Architects, Johnson & Starr, Spooner Building, Harrisburg, Pa. Owner, D. B. Brandt, 437 South Second street, Harrisburg, Pa. Brick, 2½ stories, 59x35 feet, tile roof, hardwood floors, vapor heat, electric light, tile work. Plans in progress.

Church, Norwood, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Immanuel Lutheran Church, Rev. A. A. Kelly, Norwood, Pa. Sketches in progress. Too early for details.

Theatre, Offices and Apartments, Williamsport, Pa. Architect, William H. Lee, 1505 Race street, Philadelphia. Owners, Chamberlain Amusement Co., Shamokin, Pa. Steel, brick and stone, 3 stories, 100x165 feet. Preliminary plans in progress.

Shop and Apartments (2), Wayne, Pa. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owner, name withheld. Brick, 2 stories. Sketches in progress.

School Building, Sharon Hill, Pa., \$100,000. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owners, Board of Education, Dr. D. Dalton, president, Sharon Hill, Pa. Brick, steel, concrete. Plans in progress.

Community Centre, Birdsboro, Pa. Architect, Calvin Young, 226 North Sixth street, Reading, Pa. Owners, Fraternal Order of Orioles, Birdsboro, Pa. Architect selected.

Community Center, Hyde Park, Pa. Architect, Calvin Young, 226 North Sixth street, Reading, Pa. Owners, Goodwill Fire Co., No. 3 Beneficial Association, Hyde Park, Pa. Architect selected.

Residence, Burn Township, Reading, Pa. Architect, Fred Muhlenberg, Ganster Building, Reading, Pa. Owner, Mr. J. E. Barber, Vanity Fair Silk Mill, Reading, Pa. Stone, 1½ stories, 130x20 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Show Room, Reading, Pa. Architect, Fred Muhlenberg, Ganster Building, Reading, Pa. Owners, Corbit Brothers, Third and Oley streets, Reading, Pa. Brick, concrete, cut stone, 2 stories, 80x60 feet, composition roof, rubber tile floors, steam heat, electric light, rolled steel sash, waterproofing and damp-proofing, iron stairs. Plans in progress.

Garage, Minersville, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owner, William Frantz, Minersville, Pa. Steel and concrete, 2 stories, 50x66 feet, composition roof and floors, steam heat, electric light, rolled steel sash. Plans in progress.

Residence and Studio, Lancaster, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owner, Ella G. Ball, 119 College avenue, Lancaster, Pa. Cinder block and stucco, 2 stories, 64x64 feet, slate roof, hardwood floors, electric light. Plans in progress.

Studio and Residence, Orange street, Lancaster, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owner, George Killian, 26 East King street, Lancaster, Pa. Cinder block and stucco, 2 stories,

feet, slate roof, hardwood floors, electric light, tile work. Plans in progress.

Fraternity House, State College, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, Phi Kappa Sigma Fraternity, R. Cummings, secretary, State College, Pa. Stone, 3 stories and loft, 120x100 feet, slate roof, hardwood floors, steam heat, electric light, tile and marble work, ornamental iron work. Plans in progress.

Residences (17), Store and Apartment (9), Public Garage, Manoa, Delaware County, Pa. Architect, H. C. Mercer, 4901 North Seventeenth street, Philadelphia. Owner, William Boyd, Manoa Inn, Manoa, Pa. Stone, brick, 2 stories, various sizes, hot water heat, electric light, tile work, slag and French tile roof, limestone trim, hardwood floors, garage, 1 story, concrete block, 113x48 feet, concrete floors, roof ventilators. Plans about completed. Owner will be ready for sub-bids in a few days, to start work in one month.

Residence and Garage Development (45), Brookview, near Brookline, Delaware County, Pa., \$12,500 to \$18,000. Architect, private plans. Owner, J. Elmer Watts, Oakmont, Pa. Hollow tile, stucco, stone, frame, 2½ stories, 25x45 feet, 32x40 feet, garages 12x18 feet, 20x22 feet, hot water heat, electric light, tile, slate and shingle roof, hardwood floors, tile work. Owner building first two.

Church and Sunday School, Lewistown, Pa. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Grace Lutheran Evangelical Church, Lewistown, Pa. Stone, 1 story, 120x50 feet, 2 stories, 16x60 feet, 60x45 feet, slate roof, maple and composition floors, limestone, bluestone, cast stone, asbestos shingle roof (alt.). All bids rejected. Owners are sub-letting.

Topton Orphanage, Topton, Pa. Architects, Scholl & Richardson, 510 Walnut street, Reading, Pa. Owners, Topton Orphans' Home, Topton, Pa. Brick, 2 stories, 42x46 feet, slate roof, wood floors, steam heat, electric light. Owners will be ready for bids in a few days.

Apartment House, Reading, Pa. Architect, Fred Muhlenberg, Ganster Building, Reading, Pa. Owner, Dr. W. A. Rigg, Colonial Trust Building, Reading, Pa. Brick, Indiana limestone, 4 stories, 60x220 feet, composition roof, hardwood floors, steam heat, electric light, tile and marble work, ornamental iron work. Architect will be ready for bids about March 1st.

Residence, Reading, Pa. Architect, E. Z. Scholl, 510 Walnut street, Reading, Pa. Owner, I. C. Eberly, 742 Center avenue, Reading, Pa. Stone, timber, 3 stories, 110x50 feet, slate roof, hardwood floors, vapor vacuum heat, electric light, tile work. Plans in progress. Owner will sub-let.

Country Club (alts. and add.), Lancaster, Pa. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owners, Lancaster County Country Club, Lancaster, Pa. Locker room addition, general alterations. Plans completed. Owners will take bids.

Residence and Garage, Spring Haven Park, Pa. Architect, Frank C. Watson, Wallingford, Pa. Owner, Charles Hultzapfel, Jr., 1118 Potter street, Chester, Pa. Brick, stucco, 2½ stories, 27x42 feet, shingle roof, hardwood and pine floors, hot water heat, electric light, tile work. Plans completed. Owner ready for bids.

School, Luzerne, Pa., \$75,000. Architect, Horace G. Cook, Jr., 716 Miners' Bank Building, Wilkes-Barre, Pa. Owners, St. John's Roman Catholic Church, Miller street, Luzerne, Pa. Frame, 2 stories and basement, 56x118 feet, built-up roof, wood and composition floors, roof ventilators, metal ceilings, brass pipe, ornamental iron work, bond, wood sash, steam heat, electric light. Architect taking bids due March 15th, 1925.

Apartment House, Fayette street near First

avenue, Conshohocken, Pa. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owner, Harry O. Schwalbe, Conshohocken, Pa. Brick, steel, 3 stories and basement, 63x40 feet, slag roof, oak floors, dampproofing, metal lath, hollow metal sash, kalamein doors, bond, ornamental iron work. Architects taking bids due February 20th.

School, Hummelstown, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Hummelstown School District, W. M. Sharp, secretary, Hummelstown, Pa. Semi-fireproof, brick, brownstone, 2 stories, 150x60 feet, composition roof, pine floors, roof ventilators, dampproofing, iron stairs, fire doors, rolled steel sash, metal lath (heating, plumbing and electric separate). Architects will be ready for bids.

Post Office Building and Store Building, Glenside, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, William H. Kaiser, Glenside, Pa. Brick, 1 story, 55x66 feet, slag roof, cement (heating, plumbing and electric work reserved). Architects taking bids due February 23rd.

Warehouse, Lancaster, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Bayuk Cigar, Inc., Lancaster, Pa. Brick, slow burning, 6 stories, 120x150 feet, slag roof, pine floors, freight elevator, roof ventilators, plumbing, steam heat, electric light. Architect taking bids in his office due February 28th at noon.

Residence and Garage, Greensburg, Pa. Architects, Karcher & Smith, 34 South Seventeenth street, Philadelphia. Owner, Mrs. Richard Coulter, Greensburg, Pa. Brick, concrete, 2½ stories, 40x125 feet, wing 30x60 feet, garage, 2 stories, 30x60 feet, slate roof, concrete, hardwood and pine floors, vapor heat, electric light, tile work, metal casements. Architects taking bids due February 24th.

Cottage, Secane, Pa. Architect, private plans. Owner, Agostino A. Porreca, South avenue, Secane, Pa. Frame and stucco, 2½ stories, 36x16 feet, wing 21x16 feet, shingle roof, rubber tile and oak floors, hot water heat, electric light, metal lath. Owner taking bids.

Alterations and Additions, Sixth and Edgemont streets, Chester, Pa. Architect, William Woodburn Potter, Real Estate Trust Building, Philadelphia. Owner, John G. Pappas, Chester, Pa. Carpentry and mill work, brick work, structural steel, plumbing, plastering, hollow metal doors, composition floors, John Mansville roof, electric work (terrazzo, heating reserved). Architect taking bids due February 27th.

Residence (alts. and add.), Chadd's Ford, Pa. Architects, Charles Barton Keen & Wallace, 338 South Smedley street, Philadelphia. Owner, C. L. Patterson, Chadd's Ford, Pa. General alterations and additions. Architects taking bids due as soon as possible.

School, Easton, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owners, St. Jane Frances de Chantel, Rev. M. A. M. Bennett, on premises. Stone, cut stone, granite, brick, 2 stories and basement, 96x55 feet, metal lath, Barrett Specification roof, hollow metal doors, bond, ornamental iron work, bluestone, limestone. Architects taking bids due February 25th.

Road Work, Pennsylvania. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa. Low bidders on road work opened February 6th:

Bedford County, R-47, King and Kimmel Townships, 32,203 feet. One course reinforced concrete. Charles Winters Const. Co., Butler, Pa., \$291,318.03.

Indiana County, A-1041, West Wheatfield Township, 12,029 feet. One course reinforced concrete. Rood Const. Co., Butler, Pa., \$102,541.96.

Warren County, R-88, Columbus and Freehold Townships, 40,287 feet. Either bituminous surface course on concrete foundation or one course reinforced concrete. H. E. Bunce, Olean, N. Y., \$383,804.

McKean County, R-100, A-3236, Otto and Foster Townships, 18,845 feet. Grading and drainage. D. L. Dennis, Smethport, Pa., \$82,851.

Carbon County, R-164, Towamensing Township, 21,916 feet. One course reinforced concrete. McInerney & McNeal, Inc., Easton, Pa., \$190,772.17.

Erie County, R-85, A-3066-67, Conneaut Township, Albion Borough, 15,134 feet. One course reinforced concrete. Charles H. Fry Const. Co., Erie, Pa., \$115,981.68.

Center County, R-107, Boggs, Union, Huston and Worth Townships, Unionville Borough, 83,502 feet. One course reinforced concrete. Miller Const. Co., Punxsutawney, Pa., \$841,598.96.

Northumberland County, R-161, Mt. Carmel Borough, 4,026 feet. One course reinforced concrete. William M. Moser, Mt. Carmel, Pa., \$77,705.

Schuylkill County, R-199, Porter, Frailey and Tremont Townships, Tower City Borough, 54,265 feet. One course reinforced concrete. William B. Sheidy, Wyomissing, Pa., \$539,457.40.

Blair and Center Counties, R-245, Snyder, Taylor and Worth Townships, 46,214 feet. One course reinforced concrete. J. M. Hutchinson, Altoona, Pa., \$410,825.90.

Westmoreland County, R-181, A-3004, South Huntingdon Township, 18,303 feet. One course reinforced concrete. Frazier & Mansfield, McKeesport, Pa., \$166,357.61.

Low bidders on road work opened February 7th:

Clarion County, R-92, Washington Township, 44,046 feet. One course reinforced concrete. Connell, Laub & Bracht, Dayton, Ohio, \$325,817.55.

Washington County, R-115, Canton and Chartiers Townships, 10,260 feet. One course reinforced concrete. Hardy & Rankin Co., Canonsburg, Pa., \$85,040.22.

Susquehanna County, R-14, Rush and Jessup Townships, 48,671 feet. One course reinforced concrete. David Schoentag, Sanger-ties, N. Y., \$516,774.80.

Center County, R-27, Center Hall Borough, Potter and Spring Townships, 11,378 feet. One course reinforced concrete. Reitz Brothers, Sunbury, Pa., \$121,658.80.

McKean County, R-211, A-2899, 3233, Eldred and Otto Townships, 26,700 feet. Either bituminous surface course on concrete foundation or one course reinforced concrete. J. F. Morgan, Olean, N. Y., crushed stone, \$239,643.33; gravel, \$234,271.

Monroe County, R-164, Polk, Chestnut Hill and Hamilton Townships, 59,418 feet. Either bituminous surface course foundation or one course reinforced concrete. R. L. Bonham Co., Bridgeton, N. J., \$505,852.55.

Clearfield County, R-62, Sec. A, Boll and Greenwood Townships, 32,133 feet. One course reinforced concrete. Avery & Bailey, Philipsburg, Pa., \$339,989.90.

Warren-McKean Counties, R-95, Sheffield and Hamilton Townships, 40,500 feet. Either bituminous surface course on concrete foundations or one course reinforced concrete. Irwin & Payne, Evans City, Pa., \$424,461.14.

Indiana County, R-63, East and North Mahoning Townships, 41,781 feet. One course reinforced concrete. Johnson, Drake & Piper, Inc., Minneapolis, Minn., \$382,228.49.

Luzerne County, R-184, Nescopeck Township and Borough, 20,928 feet. One course reinforced concrete. D. W. Davis & Sons, Kingston, Pa., \$178,059.40.

Fayette County, R-112, Luzerne and Redstone Townships, 11,239 feet. One course reinforced concrete. J. F. Patterson (Donora Const. Co.), Donora, Pa., \$121,367.30.

Office, Hotel, Dance Hall, Theatre and Stores, Gettysburg, Pa. Architect, William H. Lee, 1505 Race street, Philadelphia. Owners, Gettysburg Hotel Corporation, Gettysburg, Pa. Concrete, steel, hollow tile, brick, 2 stories, slag roof, cement and hardwood floors, plumbing, steam heat, electric light. Architect taking revised bids due March 5th at noon.

Farm Residence (alts. and add.), Whitford, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, F. M. Hawkins, Anderson avenue, Ardmore, Pa. Stone, 2½ stories, 16 feet 6 inches x 30 feet, 22x16 feet, slate roof, hardwood floors, hot water heat, electric light, tile work, automatic water pump, septic tanks. Plans in progress.

Double Residence, Ardmore avenue, Ardmore, Pa. Architect, John Charles Norton, Ardmore, Pa. Owners, Tony White Brothers & Co., Ardmore Park, Pa. Frame, stucco, 2½ stories, 16 feet 6 inches x 40 feet each, shingle roof, hot water heat, electric light, hardwood floors, tile work. Plans in progress.

Pennsylvania

Contracts Awarded

Garages (8), Store (1), Van Hook and Ferry road, Camden, N. J., \$3,600. Architect, private plans. Owner, Joseph Schneider, 1700 Broadway, Camden, N. J. Block, 1 story, store 20x25 feet, stores 10x18 feet, slag roof. Contract awarded to B. P. Barracliff, Oaklyn, N. J.

Parochial School, Cheltenham, Pa. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owners, Presentation of Blessed Virgin Mary, Rev. J. J. Moran, on premises. Brick, stucco, stone, steel, 2 stories, slag roof, pine and maple floors, hollow tile, metal lath, terrazzo work. Contract awarded D. W. O'Dea, 420 Duncannon street, Philadelphia.

Garage and Show Room, Sprout street, between Eighth and Ninth streets, Chester, Pa. Architect, private plans. Owner, John S. Miller, 34 East Seventh street, Chester, Pa. Brick, steel, concrete, 2 stories, 105x105 feet, slag roof, pine and concrete floors, ramps, heating undecided, electric light, metal bulks, plate glass. Contract awarded J. B. Flounders, Media, Pa.

Church (alts. and add.), Windsor and Greling avenue, Narberth, Pa., \$80,000. Architect, Osborne H. Graves, 112 Merion avenue, Narberth, Pa. Owners, Narberth Presbyterian Church, Narberth, Pa. Stone, brick, hollow tile, cut stone, 1½ stories, 78x74 feet, slate roof, cement and pine floors, carpentry and mill work, painting and glazing, hardware, shoring, waterproofing and dampproofing, ornamental iron work, iron stairs, steel casements, bluestone, limestone. Contract awarded Ketcham & McQuade, 1029 Brown street, Philadelphia, but not yet signed.

Theatre, Store and Offices, Lincoln Drive, Coatesville, Pa., \$1,000,000. Architect, Clyde S. Adams, 2038 Spruce street, Philadelphia. Owners, Grand Plaza Corp., care of architect. Brick, steel, cut stone or terra cotta, 4 stories and basement, 110x136x180 feet, irregular, slag roof, cement, pine and terrazzo floors, plumbing, plate glass, metal bulks, wood sash, tile and marble work, steam heat, electric light. Contract awarded J. T. Hallahan, 2313 Walnut street, Philadelphia.

Garage, Chester Hospital, Chester, Pa. Architect, private plans. Owners, Chester Hospital, care of Kingsley Montgomery, Chester, Pa. Brick, steel, concrete, 2 stories, 40x50 feet, slag roof, cement and pine floors, electric light, tile work. Contract awarded William Provost, Jr., Chester, Pa.

Bank Building, Narberth, Pa. Architects, Wallace & Warner, Franklin Trust Building, Philadelphia. Owners, Merion Title & Trust Co., Ardmore, Pa. Brick, 1 story and mezza-

nine, and 2 stories, 70x41 feet, steam heat, electric light, tile work, slag roof, composition floors, marble work, bank fixtures. Contract awarded W. D. & H. T. Smedley, Narberth, Pa.

Residence, Jenkintown, Pa. Architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owners, Herkness & Stetson, Land Title Building, Philadelphia. Stone, 2½ stories, hot water heat, electric light, tile work, shingle roof, hardwood floors. Contract awarded E. Allen Reeves, Abington, Pa.

Residence and Garage, Lot No. 14, Duell Tract, Meadowbrook, Pa. Architect, Carl A. Ziegler, 1309 Locust street, Philadelphia. Owner, name withheld. Brick, stucco, frame, 2½ and 1½ stories, 41x28 feet, garage 21x18 feet, shingle roof, oak and pine, cement floors. Contract awarded Stahl & Walton, Willow Grove, Pa.

Rectory, Norwood, Pa. Architects, Frank V. Nickels and C. J. Mitchell, 15 South Twenty-first street, Philadelphia. Owners, St. Gabriel's Parish, Rev. J. Smith, Norwood, Pa. Stone, cut stone, limestone, 2½ stories, 35x49 feet (heating, plumbing, electric reserved), slate roof, oak and pine floors, bond, ornamental iron work, bluestone. Contract awarded Farrell Roth Const. Co., 1624 Spruce street, Philadelphia.

Residence and Garage, Lemoyne, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owner, Bertha L. Lilly, 20 North Fourth street, Harrisburg, Pa. Local stone, 2 and 1 stories, 40x30 feet and 18x20 feet, slate or tile roof, hardwood floors, hot water heat, electric light. Contract awarded to J. F. Barnhart, Mechanicsburg, Pa.

Residence, Academy Manor, Pa. Architect, C. J. Lappley, Cotterel-Ebner Building, Harrisburg, Pa. Owner, A. G. Eden, 925 North Front street, Harrisburg, Pa. Brick, cinder block, cut stone, stucco, 2 stories, 63x38 feet, hardwood floors, Spanish tile roof, steam heat, electric light, tile and marble work. Contract awarded to W. E. Bushey, Lemoyne, Pa.

Residence, Lancaster, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owner, Mr. Wolson, care of architect. Brick, 2½ stories, 24x60 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to H. L. Wiant, 544 Mill street, Lancaster, Pa.

Factory, Lancaster, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owner, W. W. Kaeffer, care of architect. Concrete block or brick, 1 story, 40x160 feet, slag roof, concrete floors, vapor heat, electric light, rolled steel sash, fire doors, roof ventilators. Contract awarded to B. Frank Bachman, Woolworth Building, Lancaster, Pa.

New Jersey

Construction News

Hospital, Trenton, N. J., \$500,000. Architect, not yet selected. Owners, St. Francis' Hospital, Chambers and Hamilton streets, Trenton, N. J. Work contemplated.

School (add.), Hainesport, N. J. Architects, P. L. Fowler Co., Fitzcharles Building, Trenton, N. J. Owners, Lumberton Township Board of Education, M. C. Gaunet, president, Hainesport, N. J. Brick, 2 stories. Plans in progress.

Church and Sunday School, Palmyra, N. J. Architect, H. Rush Stevens, 1827 Arch street, Philadelphia. Owners, Central Baptist Church, Palmyra, N. J. Stone, 1 story and basement, 40x150 feet. Preliminary plans in progress.

Bank, Medford, Burlington County, N. J. Architect, Thomas E. Ash, 1012 Walnut street, Philadelphia. Owners, Burlington County National Bank, Medford, N. J. Brick, 2 stories, 28x60 feet, slate roof, wood and linoleum floors, vapor heat, electric light,

marble work. Architect taking bids due February 19th at the bank (noon).

Power Plant, Asyla, Camden County, N. J. Engineer, Frank H. Schaefer, 306 Temple Building, Camden, N. J. Owners, Camden County Board of Chosen Freeholders, Court House, Camden, N. J. Foundations, electrical work, bond, ducts, building alterations. Deposit of \$50. Owners taking bids due February 25th at 2 P. M.

Building for Idiots, Building for Low and Middle Grade, New Colony Building, Recreation and Assembly Building, Vineland, N. J. (B. J. Lewis, Comm.). Architects, Division of Architecture and Construction, Department of Institutions and Agencies, Trenton. Owners, State Inst. for Feeble Minded, Vineland, N. J. General construction, plumbing, heating, electric work. Deposit, \$25, refunded. Certified check 5 per cent. of bid must accompany each bid. Architects will take bids due February 26th, 1.30 P. M.

Shop Building, Trenton Junction, N. J. Architects, Guilbert & Betelle, Newark, N. J.; A. H. Moses, Camden, N. J. Owners, New Jersey School for the Deaf, State Board of Education, Trenton. Owners will take bids due March 3rd.

Residences (2), 3322 Remington avenue and 3275 Pleasant street, Camden, N. J., \$3,700 each. Architect, private plans. Owner, William F. Todd, 832 North Thirty-second street, Camden, N. J. Frame, 1½ stories, 24x34 feet, asphalt shingle roof, hardwood and pine floors, warm air heat, electric light. Owner will build.

New Jersey

Contracts Awarded

Twin Residences (2) and Cottage, near Cinnaminson, N. J. Architect, C. E. Schermerhorn, 213 South Fifth street, Philadelphia. Owners, Campbell Soup Company, Farm No. 2, near Cinnaminson, N. J. Frame, 1½ stories, concrete block foundations, cement cellars, floors, asphalt shingle roof, plumbing and drainage, electric wiring, hot air heat, carpentry. Contract awarded G. W. Shaner & Son, Palmyra, N. J.

Miscellaneous

Construction News

Silk Mill (add.), Harrisonburg, Virginia. Architect, C. Emlen Urban, Woolworth Building, Lancaster, Pa. Owner, name withheld, care of architect. Reinforced concrete, 3 stories, 80x140 feet, slag roof, cement and linoleum floors, roof ventilators, waterproofing and dampproofing, iron stairs, rolled steel sash, steam heat, electric light. Plans in progress. Will be ready for bids in about one week.

Library (add.), Fairmount, W. Va. Architect, R. A. Gillis, Fairmount, W. Va. Owners, Fairmount State Normal School, Fairmount, W. Va. Brick, cut stone, granite, steel, 2 stories and basement, 61x63 feet, steam heat, electric light, metal lath, tile and marble work, asphalt built-up roof, cement and composition floors, metal ceilings, dampproofing, ornamental terra cotta, bluestone. Architect taking bids due March 2nd.

Hospital Building, Charleston, S. C. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owners, St. Francis Xavier Infirmary and Sanitarium, Charleston, S. C. Associate architect, J. D. Newcomer, Charleston, S. C. Brick, concrete, cut stone, steel, stucco, 2 stories and basement, 102x39 feet, wing 93x40 feet (plumbing, heating, electric and kitchen equipment, elevators, dumb waiters reserved), tile and slag roof, cement and pine floors, hollow tile, architectural terra cotta,

ornamental iron work, bond, kalamein doors, hollow metal sash, tile, marble and terrazzo work, metal lath. Architect taking approximate bid.

Proposal

ADVERTISEMENT FOR THE SALE OF MECHANICAL EQUIPMENT

Public notice is hereby given that proposals will be received for the sale by the County to purchasers of the equipment hereinafter set forth, now the property of the County of Camden, and not presently needed for public use owing to the acquisition or intention to acquire other equipment of like nature.

Said proposals will be received by the Chairman of the Central Plant Committee in the meeting room of the Chosen Freeholders, in the Camden County Court House, Camden, New Jersey, on the twenty-fifth day of February, at 2.00 P. M.

The equipment to be disposed of and for which the County invites proposals to purchase includes the following: Two 180 H. P. brick set return tubular boilers with hand-operated stokers. They were installed new in February 1923, built for 150-lb. steam working pressure. One 146 H. P. brick set horizontal return tubular boiler built for 125-lb. steam working pressure installed new September 1916. One 48 K. W. General Electric Company 220 volt A. C. generator, direct connected to Troy steam engine, installed new February 1922.

All the above material is in operation at the present time and can be seen in operation until March the 1st.

The right is reserved to accept any or all proposals or to waive any informality in any proposal presented. All bids must be in sealed envelopes endorsed "Proposal to purchase mechanical equipment." (No bid will be considered unless accompanied by a certified check to the order of the County of Camden or cash in the amount of 10% of the bid, binding the bidder to execute a contract if awarded to him.)

Any additional information required may be obtained at the office of the Consulting Engineer, Frank H. Schaefer, 306 Temple Building, Camden, New Jersey.

The boilers will be dismantled by the Owner and will be ready for delivery to the purchaser not later than April the 1st, 1925. Engine and generator will be dismantled by the Owner and will be ready for delivery to the purchaser not later than May the 1st, 1925.

Terms of purchase for any or all of the equipment will be on the basis of cash on delivery.

THOMAS C. WRIGHT,
Chairman.

FRANK H. SCHAEFER,
Engineer.

ADVERTISEMENT FOR MECHANICAL EQUIPMENT FOR THE CAMDEN COUNTY CENTRAL POWER PLANT

Public notice is hereby given that sealed proposals for furnishing labor and material to construct, install and equip all apparatus in the Central Power Plant on grounds known as the County Farm near Asyla, Camden County, New Jersey, for the County of Camden, will be received and opened by the chairman of the committee on Central Plant in the meeting room of the Board of Chosen Freeholders, in the Court House, Camden, New Jersey, on the 25th day of February, 1925, at 2 P. M.

The work for which proposals are hereby invited, and for which bids will be received, includes all labor and material necessary to properly construct and install the following: first, foundations, ducts and building alterations; second, electrical work.

The right is reserved to accept or to reject any or all proposals or to waive any informality in any proposal presented. All bids must be in sealed envelopes endorsed "Proposal for Central Plant" and stating the branch of work covered. (No bid will be considered unless accompanied by a certified check to the order of the County of Camden, or cash in the amount of 10% of the bid, the certified check or cash to accompany the bids. In case the bids is less than \$5,000.00, said check or cash must not be less than \$500.00), and also a statement from a Surety Company that it will provide the contractor with a bond, binding the bidder to execute a contract if awarded to him. The terms of the proposal with surety required are fixed by the specifications.

Copies of the drawings and specifications will be on file in the office of the Engineer for the purpose of estimating. A limited number of copies of the plans and specifications will be loaned to prospective bidders on deposit of a certified check to the Engineer's order for fifty dollars (\$50.00). The plans and specifications may be obtained by application to Frank H. Schaefer, Engineer, 306 Temple Building, Camden, New Jersey.

Check will be returned at time of returning plans and specifications, but should they not be returned, the deposit may become forfeited.

County of Camden a municipal corporation of New Jersey by the Committee of the Board of Chosen Freeholders on Central Plant.

THOMAS C. WRIGHT,
Chairman.

FRANK H. SCHAEFER,
Engineer.

(Continued from Page 100)

fied Practice with the industry, the distributors and the consumer interests.

H. Ross Colwell, of the Division, who represented the Department of Commerce at the Toronto meeting, reported that the sand lime brick industry was wholeheartedly in favor of the simplification project recognizing the necessity, in the interests of competition with other products, of a standard size which would be known to all architects, builders, contractors and engineers in construction work.

BRICK EXCELLENT FOR HOME BUILDING

Brick answers the needs of the average builder admirably as it has strength and durability, it is convenient to build with and exceedingly beautiful structures are made of it.

The manufacture and use of brick goes back to the remotest antiquity, far beyond the earliest recorded history, which is supposed to be about 3,800 B. C., fully two thousand years before the time of Abraham.

There is every reason to believe that the brick industry had its beginning in the valley of the Euphrates river. Brick in as good condition as the day that they

were made have been found in excavating the ruins of old Babylonia.

The native Babylonians got the idea for making brick from the irregular sun-baked pieces of clay found along the river bank. It was an easy step in advance to shape the mud while soft and lay it out in the sun to dry, producing for the first time adobe bricks. These were afterwards greatly improved by mixing chopped reeds or straw with the soft mud before baking.

The use of brick in England became so extensive during the eighteenth century that it nearly drove out all the other materials. This accounts for all the fine old country houses so representative of substantial comfort and dignity that are to be found scattered through that country. Today English builders have maintained a fine sense of architectural values as evidenced in the many splendid examples of modern construction.

In America a growing good taste has demanded and secured artistic effects in the brick wall by the use of specially manufactured face brick which in a bewildering variety of beautiful color tones and textures, have been sympathetically and artistically treated by the leading architects.

There is a vast difference between the primitive method of mixing and molding brick by hand and drying them in the sun and the modern technical methods and power machinery used by the American manufacturer. Determined by the kind of material used, whether surface clay, fire clay or shale, and the kind of brick wanted, there are three methods of manufacture, slop-mold, wire-cut, and dry-press.

By the first method the soft clay is pressed into molds by a machine which has been flushed with water—hence the term—slop mold. In the second method the clay or shale is ground and tempered into the consistency of a stiff mud ribbon having the cross section of a brick. This stiff mud ribbon is carried by a belt under a series of piano wires strung on a frame which is revolved by the machine at proper intervals, cutting the clay ribbon into the desired sizes. These stiff mud machines will turn out as many as 100,000 face brick a day, and in some brick plants they are built for a 250,000 to 300,000 daily output. The dry press method reduces the clay to a fine granular form which is then in nearly dry condition forced under immense pressure into the proper sized molds.

The brick as they come from the machines are known as "green" and require, except in the case of the best dry press brick, a certain period of drying before being set in the kilns where from five to ten days, depending on the quality of the ware and the general conditions, they are subjected to a process of burning be-

fore they are ready to be built into the wall.

This process of burning passes through three main stages which require very skilful attention on the part of the burner. First, the water chemically combined with the material must be driven off; then the various impurities of the clay must be burnt out or oxidized; and finally, the ware, except in case of fire clays, must be brought to the point of incipient vitrification. Throughout the whole process there is danger of distortion or discoloration in the ware unless the fires are skilfully handled. Properly done, the brick come out of the kiln in their beautiful, natural colors, due to the constitution of the clay or the various metallic oxides contained in it. To enhance these effects, different clays are sometimes mixed in going through the machines, certain ores may be added to modify the color, the brick surfaces may be scored in various ways, or the ware may be set in the kiln so as to avoid or get the flash of the fire. So that when you specify a fine face brick, you are getting a product which Nature has taken long to create and to which man has devoted his best scientific knowledge and inventive art.

The American manufacturer of face brick has far outstripped the rest of the world in the wide range of color tones and textures he offers. So that the prospective builder has before him the possibility of giving to the exterior wall surface an enduring color scheme of monochrome uniformity or polychrome blending, as his taste may dictate. The whole sweep of color, in smooth or rough textures, is at his command from the pure, severe tones of pearl grays or creams, through buff, golden, and bronze tints to a descending scale of reds, down to purples, maroons, and even gun metal blacks. Thus, instead of building for your client a house of a dull, insubstantial, unattractive appearance, you can, by the use of face brick, build a substantial, enduring house that presents to the eye a veritable symphony in color, at once a satisfaction to yourself as well as to him, and a cause of appreciative remark by his neighbors or the casual passerby. It will always stand to the credit of your art as a builder.

Considering the items as they come, in their effect upon the value of the house. First, there is up-keep. So far as brick enter into the construction of a house, it requires practically no maintenance.

It does not have to be patched, repaired, or painted. It is as sound twenty years after it is built as the day it was built, and even more attractive.

Depreciation, which is a separate item from maintenance or up-keep, is practically nil in the case of the brick house. Appraisal engineers have estimated it at

only one per cent a year for the brick house, beginning after the first five years. This one per cent. really applies only to such portions of the building as are subject to wear, as finished floors, plumbing, hardware and roofs. Approximately 60 per cent of a well built brick house does not depreciate at all through a long period of years.

Of course there is a saving of insurance rates on the brick house, as it is not as great a fire risk as some of the houses constructed of other materials.

Considering the question of comfort and health, there is a uniform comfort which, especially in winter, has a vital bearing on the health and welfare of the family, more particularly as it affects children, old people, or invalids.

There are a number of terms commonly used in brick work that it is helpful to know if one is contemplating having a brick house built. Following are a number of these:

Coping. A row of brick, usually projecting, used to cap or finish the top of a wall and protect it from the weather. It is usually laid up in very rich Portland cement mortar with tooled joints.

Course. A horizontal row of brick in a wall.

Culling. Sorting brick for size, color, and quality.

Culls. The brick rejected in culling.

Diaper. Any continuous pattern in brickwork of which the various bonds are examples. It is usually applied however, to diamond or other diagonal patterns.

Efflorescence. The deposition of a white powder or crust on the surface of brickwork, due to soluble salts usually in the mortar but sometimes in the brick, and, drawn out with the moisture by the sun, left as a deposit on the surface. Brick clays containing these salts are now cured by using a carbonate of barium. Against mortar efflorescence care should be taken to protect all brickwork at eaves and sill courses from excessive moisture. Also *whitewash* or *white-washing*.

Face Brick. A well-burned brick, especially prepared, selected, and handled to secure attractive appearance in the face of a wall, as distinguished from common brick as used for backing or other structural work.

Green Brickwork. Brickwork in which the mortar has not yet set.

Lime Putty. Slaked lime in a soft puttylike condition before sand or cement is added.

Pointing. Inserting mortar into the joints after the brickwork is completed, in order to correct defects left in the progress of the work.

Reveal. The vertical side of a window or door opening from face of wall to frame.

Salmon Brick. The softer brick of the kiln suitable for places protected from outside exposure or where great crushing strength is not required.

Smoke Chamber. The space in a fireplace immediately above the throat, where the smoke gathers before passing into the flue, and narrowed by corbeling to the size of the flue lining above. Also *smoke cavern*.

Soldier Course. A course of stretchers set on end with the face showing on the wall surface.

Throat. An opening at the top of a fireplace through which the smoke passes to the smoke chamber and chimney.

Washing Down. Cleaning the surface of the brick wall, after it is completed and pointed, with a mild solution of muriatic acid.—*Keith's Magazine*.

STEEL REINFORCING BAR SIZES REDUCED TO ELEVEN

The recommendation made as the result of a conference held early in September at the Department of Commerce in Washington, relative to the manufacture and use of steel reinforcing bars—round and square—has received practically the unanimous acceptance by manufacturers, distributors and users throughout the United States.

As published in *The Improvement Bulletin* of September 20 the conference, acting through the Bureau of Standards, recommended that the recognized sizes of square and round steel reinforcing bars, be reduced to the following in terms of cross-sectional area:

Size In Inches	Area In Square Inches
1/4 Round	.049
3/8 Round	.110
1/2 Round	.196
1/2 Square	.250
5/8 Round	.307
3/4 Round	.442
7/8 Round	.601
1 Round	.785
1 Square	1.000
1 1/8 Square	1.266
1 1/4 Square	1.563

It was further recommended that this reduced list of sizes become effective as applying to new production January 1, 1925, and that every effort be made to clear current orders and existing stocks of the eliminated areas before March 1, 1925.

At a recent meeting of the Concrete Reinforcing Steel Institute, made up of members of the reinforcing bar interests of the United States, these recommendations were accepted.

Another step forward to more simplified and economical building has been attained.

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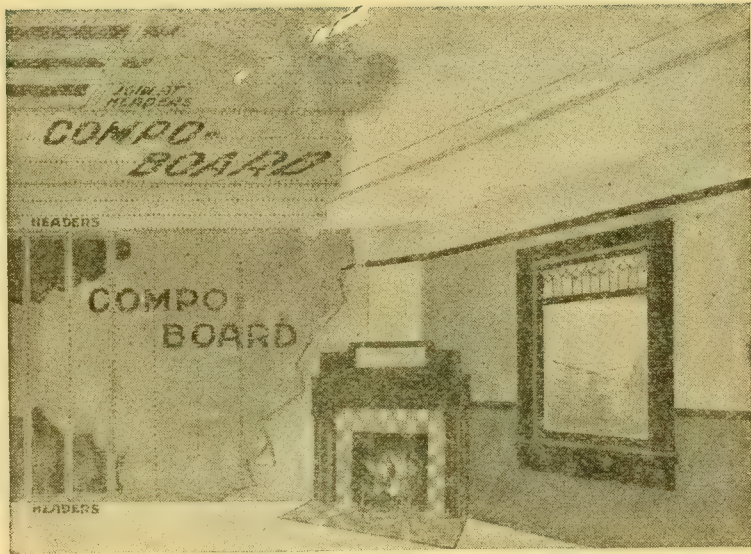
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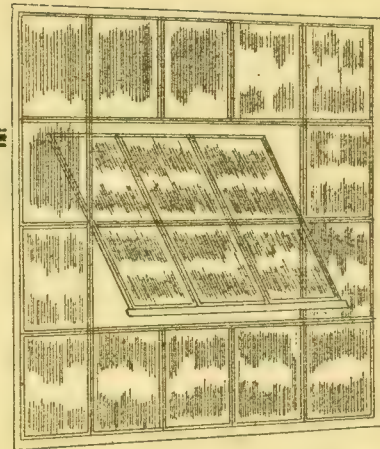
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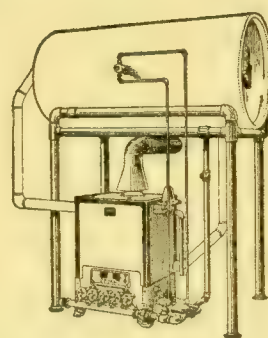
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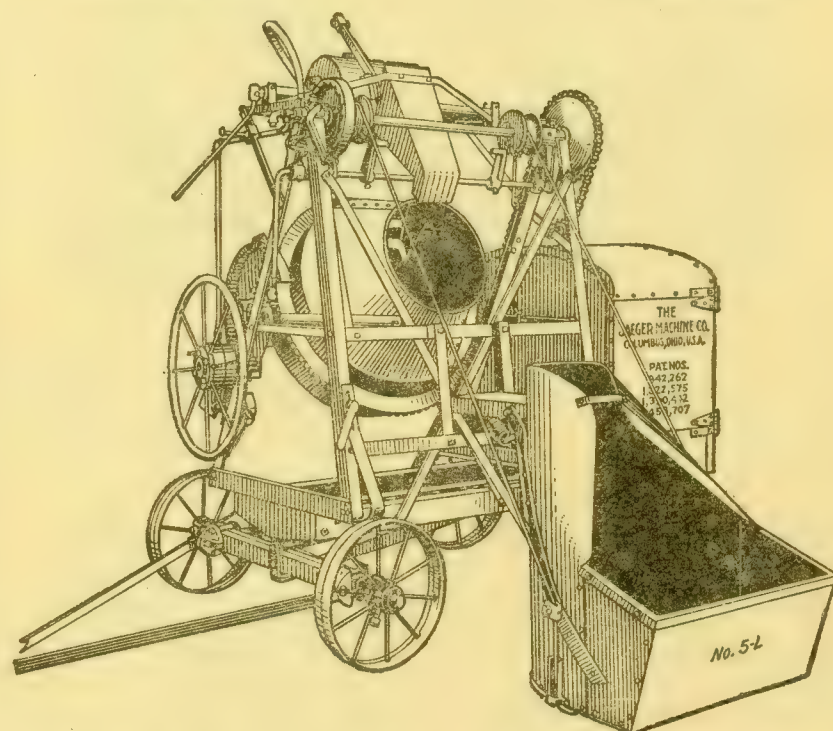
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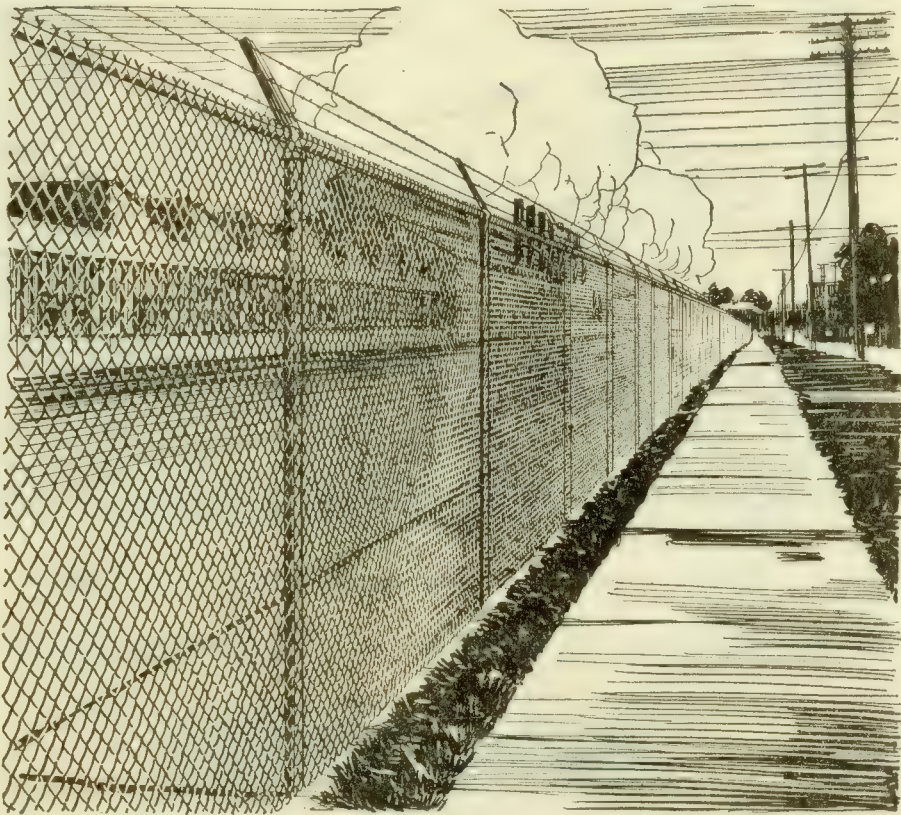
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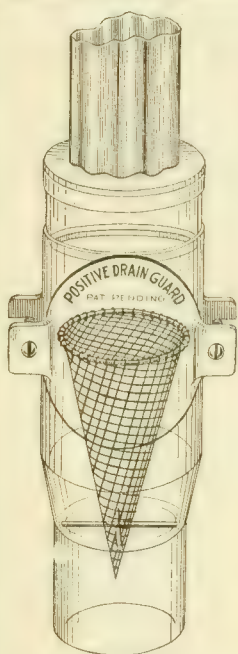
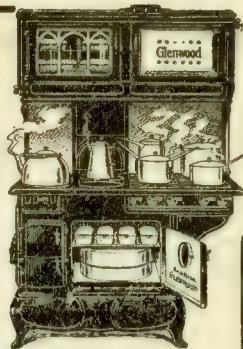
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BUILDERS' GUIDE

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Engineering and the Building Trades

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As The Editor Sees It



UTILIZING LIFETIME

BY GERHART F. MEYNE

*Address before the National Vocational
Educational Society at Indianapolis,
Indiana*

The problem before the Builder and Industrialist is "How can vocations and education be most practically combined?", as the great majority of people must labor at something productive. Educated people without a desire for labor can be an insufferable evil.

I have no particular regard for educational theories, and have no new theories to propound. In educational matters, I am thoroughly old-fashioned, and believe in creating and arousing a desire to learn to be the "Big Thing." I believe acquiring learning is purely a matter of personal practice, interest, an inquisitive turn of mind and concentration.

Within the memory of most of us, the three R's were considered to be the ample system. Half of our citizens have been educated within them. The three R's of today represent a whole lot more in study and education than formerly. There are but few in the United States who cannot read and write fluently. Many in their more mature years have acquired the love for the literary arts, understand the plays and the classics, but the growth of our educational system has all been in the same direction. There is practically no difference in the instruction given to

those who are ambitious to become lawyers, doctors, engineers, architects and other professional men, and the instruction given those who are neither leaning, inclined, nor ambitious towards the professions, who neither have the means, desire, ability nor endowments to enter the professions, but are content to earn an honorable living at a trade or vocation.

Yet most of the education, after the seventh grade, is directed towards the professions. Ninety-two per cent. of our youths do not get to college, approximately two per cent. graduate. Let us look at the somewhat archaic and chaotic system of preparing the ninety-two per cent's lifetime in a practical manner.

Let me answer in the terms of my own industry.

In most of our States, our youths are not permitted to go to work at the building trades until they are sixteen years of age. What are we doing for these youngsters, and how are we utilizing their lifetime for the benefit of themselves, the public and the future employer? It should not be necessary for the young man who desires to become a building tradesman to be required to burden himself with many of the subjects now taught, and in which he has no interest whatsoever. He should not be required to study the same general subjects as the youth who has a leaning or ambition for the professions.

The general tendency in the High

Schools, as I know them, is to encourage students to become members of the professions,—the average high school instructor, Academician, encourages them unduly towards the professions. For some unaccountable reason, the Academician and the American parent seem to think that the professional class and semi-professional class, such as clerks, salesmen, draftsmen, etc., are considered to possess greater gentility, and they are looked upon by the present and past generation as something superior to the mechanic. Could these good people but see the numerous opportunities that are constantly presented to the vocationally trained man who knows his trade fundamentals, and could they but know of his yearly income, they would view him with appreciation instead of depreciation. The vocationally trained man can take advantage of these numerous opportunities by continuing his education in night courses, short term college courses, etc. He cannot only aspire to the heights in industry, but, what is more, if he applies his endowments, training and ability, he can actually "arrive."

Probably nothing indicates the justification for the present demand of vocational education more than the fact that numerous college men graduating from the literary arts and science courses are turning towards the vocations as a means for a livelihood. It is not infrequent that one finds men of several years' col-

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lege training endeavoring to get into the industries. When one stops to think of it, one feels that they have not utilized their lifetime to the fullest, have probably acquired considerable needless information. Of course, time spent in any education is not time lost, but many subjects that do not interest the student are taught in our present high schools and the boy who does not go to college must wrestle with them, when his time could be turned to greater practical advantage.

The Federal Board for Vocational Education has made up a chart based on the 1920 census, which shows some very remarkable figures and percentages, when analyzed. It has been published and discussed before.

The Builder and Industrialist who looks at this chart in reverie and meditation (if he will take time to study the chart at all) I believe, will agree with me that the lifetime of our youths could be turned to greater advantage to the Nation and to themselves, if the educator would take advantage of utilizing the years that are so often dribbled away because of lack of interest in the subjects taught. The chart reveals that there are approximately two million of our young, in each of the ages between 5 and 20 years. Taking the two millions of children at the age of 13 and following them through, it will be noted that 92 per cent leave school before the age of 21, to go into some industrial, commercial, or agricultural pursuit. What are we, the public, and you educators doing to prepare them for this new thing that they are facing? Let us go back to the chart! The egress from school is about as follows: 110,650, or 6 per cent, leave between the ages of 13 and 14 years, while 409,450, or 22 per cent, leave between the ages of 14 and 15 years. When we come to the ages of 15 and 16, the figures show that 355,650, or 26 per cent, leave your school for one reason or another; 359,350, or 36 per cent, leave between the ages of 16 and 17; 288,750, or another 36 per cent, leave between the ages of 17 and 18—all of these to engage themselves in some life

occupation. Are we doing everything to fit these young people with an understanding of what confronts them? Have we developed their capabilities to shift for themselves? For, in biological terms, we may consider them weaned.

Now we come to the college age, and find that only a small percentage are left to enter college, and the chart shows that the youths are leaving college at the rate of 100,000 to 200,000 each year, and that only a very small percentage—approximately only two per cent graduate. Yet the entire curriculum, in most instances, from the ages of 13 to 20, has been set and made up for the purpose of entering the youths into college. I ask again, have we utilized the life-time at our disposal efficiently?

There are whole libraries written on vocational and apprenticeship education and training, but there is no need of giving historical back-ground to this subject. I would like to give you the view-point of a builder. He may not be qualified to address you because of his lack of degrees, but he has served apprenticeships in a trade and has worked through the various steps and is proprietor of his business. He is tremendously interested in vocational education. He is training numerous boys under various systems. Personally, I believe the old "Indenture system" has outlived its usefulness. It is no longer necessary for the master to provide shelter, food and clothing for the boy. It is no longer necessary to teach him to read and to write, as usually was his obligation. He now pays him the wage he is able to earn. The parents and school usually provide the other.

I hope to see the time when the public schools of today will be the vehicle of training the industrial arts as were the medieval monasteries of the eighth and ninth centuries. We know that it was usually a willing exchange of manual labor for protection, teaching and subsistence, either within the monasteries or to those who lived near them. Those who would gain knowledge were obliged to

(Continued on page 127)

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Nurses' Home, Sixteenth and Girard avenue, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Joseph's Hospital, on premises. Preliminary plans in progress.

Store and New Store Front, 211-13 South street, Philadelphia. Architect, William L. Charr, 414-16 Victory Building, Philadelphia. Owner, care of architect. Steel, marble, 1 story, 27x40 feet, maple floors, electric light, metal lath, marble work, shoring, bond, store fixtures, metal bulks. Plans in progress.

School, Mt. Airy, Pa. Owners, Board of Education, Dr. Carmichael, Mt. Airy, Pa. Work contemplated. Plans not yet started.

Store and Residence, Southwest Corner East Cheltenham and Baynton street, Philadelphia. Architect, J. Naschold, 5234 North Second street, Philadelphia. Owner, F. Canuzari, care of architect, Philadelphia. Brick, 2 stories, hot water heat, electric light, slag roof, pine floors, metal bulks, plate glass. Plans in progress. Architect will be ready for bids in one week.

Store and Apartments (4), Fifty-second and Thompson streets, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, Frank Kelsner, 1517 South Sixth street, Philadelphia. Brick, 2 stories, 17x51 feet each, slag roof, hardwood floors, hot water heat, electric light, tile work, metal bulks, plate glass. Owner taking sub-bids.

Residences (121), Comly and Charles streets, Philadelphia. Architect, private plans. Owners, Smith & Schmunk, 800 West Erie avenue, Philadelphia. Brick, 2 stories, 16x35 feet, slag roof, oak and pine floors, hot water heat, electric light. Owners taking sub-bids.

Home for Indigents, Holmesburg, Pa. Architect, private plans. Owners, Department of Public Welfare, Bureau of Charities and Corrections, 592 City Hall. New doors. Specifications may be obtained from Director's office. Owners taking bids due March 2nd at noon.

Apartment House, Oxford and Akron streets, Philadelphia. Architects, H. G. Murphy and C. M. Talley, Drexel Building, Philadelphia. Owner, George T. Sales, care of architects. Brick, cut stone, reinforced concrete, 4 stories and basement, triangle in size, 92x48x95 feet, Spanish tile and slag roof, oak floors, elevators, plumbing, electric light, metal lath, tile and marble work, ornamental

iron work, ornamental plastering, Murphy beds. Architects taking bids due March 3rd.

Building (alts.), Southwest Corner Eleventh and Vine streets, Philadelphia. Engineer, Charles H. Ingle, 3025 Poplar street, Philadelphia. Owner, C. McDermott, 1845 Master street, Philadelphia. Brick work, structural steel, cement work, carpentry and mill work, painting and glazing, roof alterations, plumbing, steam heat, electric work, plastering, metal ceilings. Owner taking bids due as soon as possible.

Mill, Germantown, Philadelphia. Architect, J. Naschold, 5234 North Second street, Philadelphia. Owner, name withheld. Stone, brick, steel, 1 story and basement, slag roof, cement floors, steam heat, electric light, plumbing, mill work, rolled steel sash, hollow metal skylights, iron work. Architect taking bids due March 4th.

Office Building, Nineteenth and Arch streets, Philadelphia. Architect, Eugene A. Stopper, 10 South Eighteenth street, Philadelphia. Owner, J. C. Kahn, Morris Building, Philadelphia. Reinforced concrete, brick, cut stone, steel, 16 stories and basement, 141x119 feet (elevators, electric, plumbing, heating, pumps reserved), cement floors, hollow tile, safety treads, shoring, ornamental terra cotta, ornamental iron work, floor hardener, bond, copper skylights, hollow metal sash, tile, marble and terrazzo work, mail chute, limestone. Architect taking bids due March 5th at noon.

Residence and Garage, McCallum and Elbow lane, St. Martin's, Pa. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, Dr. George Woodward, Mt. Airy, Pa. Brick, cut stone, limestone, 2½ stories, 78x71 feet, garage 18x18 feet, slate roof, oak floors, tile and marble work, waterproofing, bond, ornamental iron work, flagstone. Architects taking bids due March 4th.

Brick Auxiliary Boiler House, Twenty-first and Oregon avenue, Philadelphia. Owners, War Department, Philadelphia Quartermaster Inter Depot, on premises. Owners taking bids due March 9th, 11 A. M. Construction complete, approx. 40x32x16 feet high, with 40x12 feet pump room and 32x12 feet coal room additions, steel stack, plumbing, electric work, sewerage and installation of 1 boiler (coal burning), 2 pumps, feed water heater,

pipings, etc. Alternate proposals substituting standard steel sectional building of similar dimensions or exterior siding of corrugated asbestos will also be considered. Plans and specifications may be obtained from Lt. F. E. Davis, Twenty-first and Oregon avenue, Philadelphia, upon deposit of \$10.00, which will be refunded.

Fire House (alts.), 316 Florist street, Philadelphia. City architect, John Molitor, Bankers' Trust Building, Philadelphia. Owners, Department of Public Safety, Bureau of Fire, General Butler, Philadelphia. (Plumbing, heating and electric separate) steel, plastering, marble, composition floors, brick work, terra cotta, sheet metal work, carpentry and mill work, painting and glazing. Owners taking bids due March 2nd at noon.

Trade School, Thirteenth street, between Green and Brandywine streets, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. General constructions, heating, plumbing and lighting. Owners taking bids due March 5th at noon. Spec. No. 41, South Philadelphia High, new electric shop. Spec. No. 42, Finletter, electric light. Spec. No. 43, Northeast High, new balcony and closets. Owners taking bids due March 5th at noon.

New Entrance to Lutheran Orphanage, Mt. Airy, Pa. Architect, Herman Miller, 1420 Chestnut street, Philadelphia. Owners, Lutheran Orphanage, care of Mrs. Amelia Schmidt, on premises. Stone work, cement work, bronze work, electric work. Architect taking bids due February 26th.

Garage Building, Broad and Pine streets, Philadelphia. Architect, Abraham Levy, Real Estate Trust Building, Philadelphia. Owner, Bernard Cohen, care of architect. Brick, steel, concrete, 3 stories and basement, 68x161 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash, ramps. Architect taking bids due February 26th.

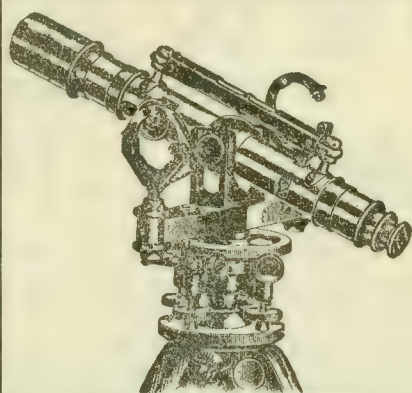
Subway Construction, Philadelphia. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Construction of about 7,184 lineal feet of 4-track subway in Broad street from South side Filbert to Stiles street, Philadelphia. Deposit, \$50.00, refunded. Certified check of 5 per cent. must accompany all bids. Owners taking bids due March 17th at noon.

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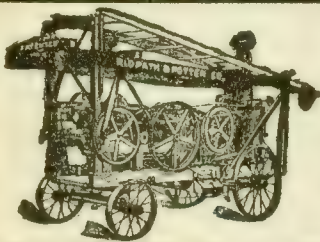
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Frankford Community Field, Wakeling, Rutland and Large and Dyre streets. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Works, Bureau of City Property, 116 City Hall. Low bidders: Kaufman Const. Co., Pennsylvania Building, Philadelphia, \$37,475; McCormick & Lenham, 2403 South Broad street, Philadelphia, \$40,664. Plumbing and drainage, Bulman Brothers, Fifth and Cumberland streets, \$4,186. Electric, Merit Elec. Co., 630 Race street, Philadelphia, \$840.

Residences (14), Tyson and Oakley streets, Philadelphia, \$4,850 each. Architect, private plans. Owner, Henry J. Tunstall, 1006 Cottman street, Philadelphia. Brick, 2 stories, 14x40 feet, slag roof, hot water heat, electric light. Owner will build.

Residences (30), Ogontz avenue, Andrews street, Pittville street and Georgian avenue, Philadelphia, \$197,000. Owner, A. J. Schulke, 1828 Arch street, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (5), Store and Residence (1), Jackson and Howell streets, \$24,500. Architect, private plans. Owner, A. Huber, 3028 Howell street, Philadelphia. Brick, 2 stories, 16x37 feet and 18x37 feet, slag roof, hot water heat, electric light. Owner will build.

Garages (2), Luray street, East of Front street, Philadelphia, \$17,000 total. Architect, private plans. Owner, W. H. Liebrick, 2840 Ridge avenue, Philadelphia. Brick, 1 story, 50x120 feet, 18x39 feet and 19x22 feet, slag roof, cement floors. Owner will build.

Residences (6), Bridge and Hawthorne streets, Philadelphia, \$31,000. Architect, private plans. Owner, Joseph S. Silver, 5116 North Camac street, Philadelphia. Brick, 2 stories, (5) 16x24 feet, 12x25 feet, (1) 14x16 feet, 16x44 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residence, Southwest Corner Fifth and Luray streets, Philadelphia, \$10,000. Architect, John R. Huberti, Sixth and Lehigh avenue, Philadelphia. Owners, F. W. Biddle & Co., 4651 North Fifth street, Philadelphia. Brick, 2 stories, 18x72 feet, hardwood and pine floors, hot water heat, electric light, tile work. Owners will build.

Residences (3), (2) Manayunk avenue, South of Kingsley street, and (1) Harman road West of Ridge avenue, \$18,000 total. Architect, private plans. Owners, Manayunk Coal & Lime Co., Main and Umbria streets, Philadelphia. (1) Stone and frame, 2 stories, 25x30 feet, 10x25 feet, (2) brick, 2 stories, 16x41 feet, hardwood and pine floors, hot

water heat, electric light, tile work. Owners will build.

Residences (58), Sixty-sixth and Buist avenue, Philadelphia, \$5,500 each. Architect, private plans. Owner, M. D. Burke, 1015 Seventieth avenue, Philadelphia. Brick, 2 stories, 16x31 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Residences (8), Johnston, Fairhill and Marshall streets, \$49,000. Architect, private plans. Owners, Jones & Lyman, 2860 South Fifteenth street, Philadelphia. Brick, 2 stories, (2) 16x44 feet, (6) 15x25 feet, 12x11 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residences and Garages (36), Roosevelt Boulevard and Harkness street, \$204,000. Architect, private plans. Owner, Joseph Bobb, 5939 Chestnut street, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Store and Residence (alts. and add.), 8422-24 Germantown avenue, \$6,000. Architect, W. K. Henkels, 9501 Germantown avenue, Philadelphia. Owner, G. Caruso, 8127 Germantown avenue, Philadelphia. Brick, 1 story, 27x11 feet 2 inches, 1 story, 27x10 feet 9 inches, general alterations. Owner will build.

Residences (13), South side Wakeling, West of Castor avenue, \$8,600 each. Architect, private plans. Owner, William J. Baltz, Sixty-sixth and Lawnton avenues, Philadelphia. Brick, 2 stories, 19 feet 6 inches x 37 feet, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Residence, South side Columbia avenue, East of Pennsylvania Railroad, \$8,000. Architect, private plans. Owner, Eva Fogliano, 5722 Vine street, Philadelphia. Brick, 2 stories, 24x32 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (12), North side Knorr street, West of Rising Sun avenue, \$4,500 each. Architect, private plans. Owner, Louis Leitenberger, 7345 Oxford avenue, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (30), Albanus street, East of Rising Sun avenue, \$5,000 each. Architect, private plans. Owner, John T. Clasby, 4449 North Ninth street, Philadelphia. Brick, 2 stories, 15x27 feet, 11x9 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residence, Northwest Corner Burholme avenue and Solly street, Philadelphia, \$4,000. Architect, private plans. Owner, M. C. Langhorne, 4733 A street, Philadelphia. Frame, 1

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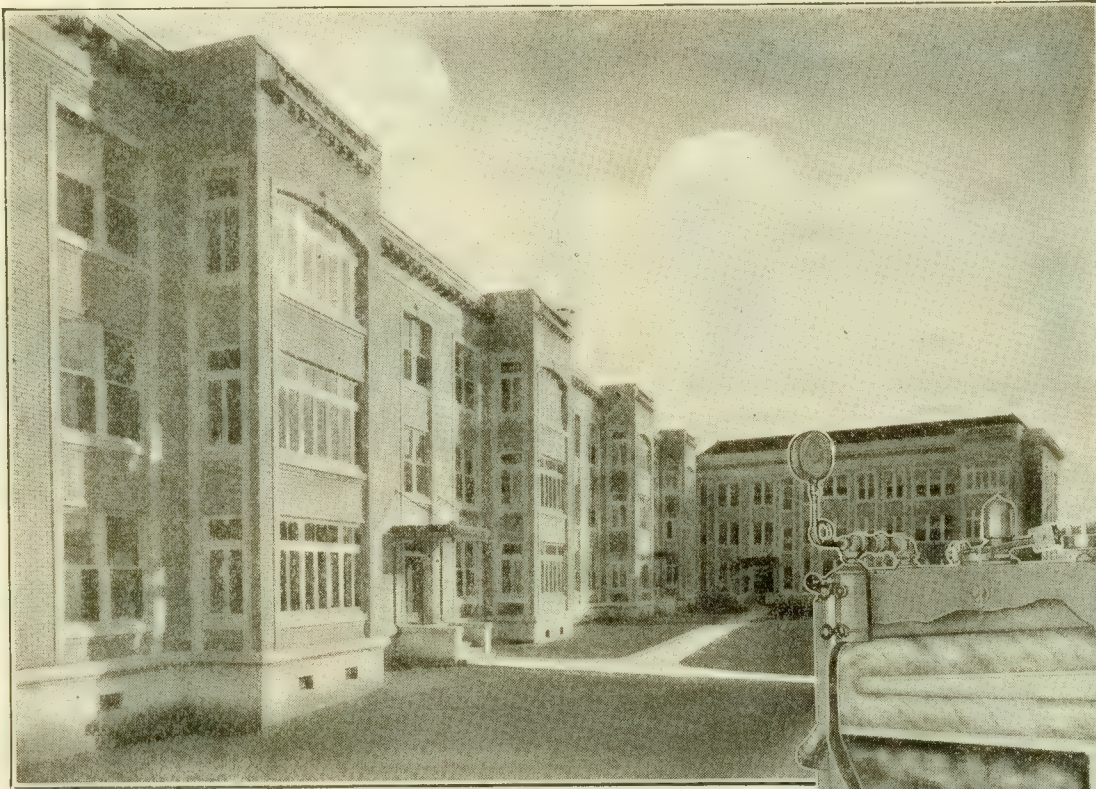
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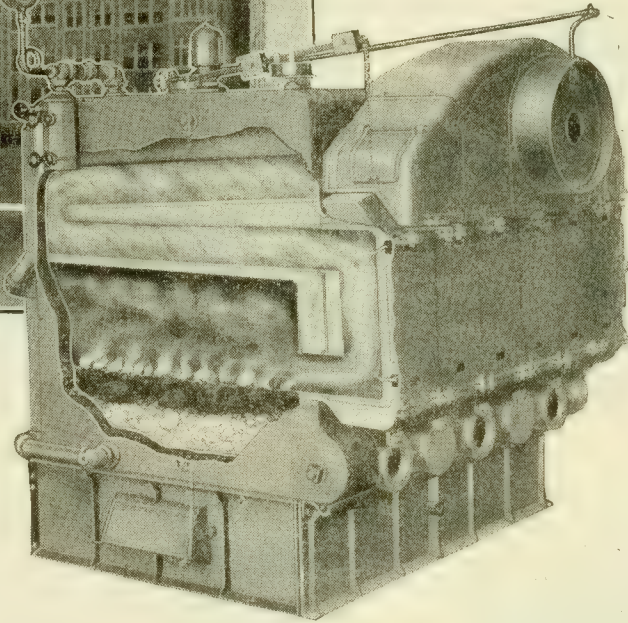
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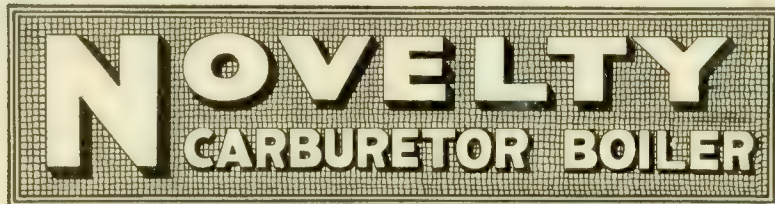
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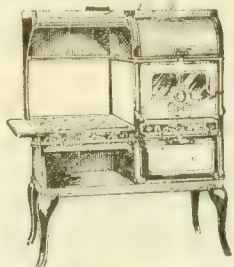
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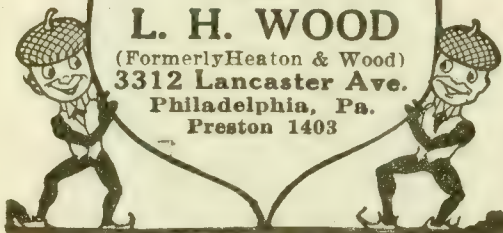
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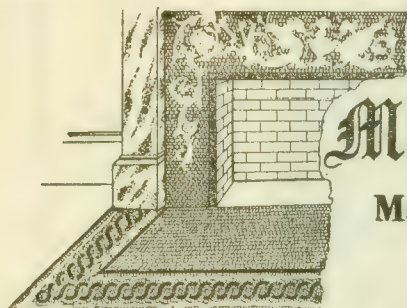
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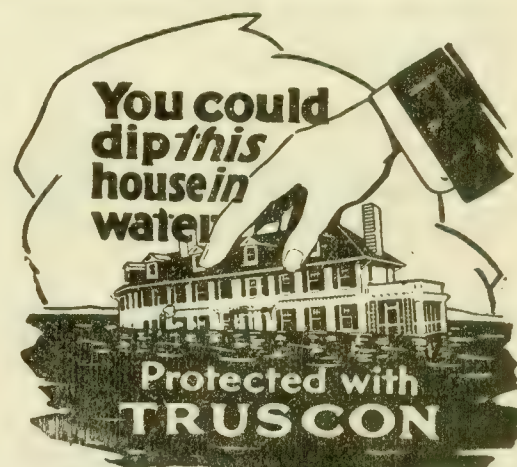
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story, 24x42 feet, shingle roof, hardwood and pine floors, hot air heat, electric light. Owner will build.

Residence, North side Northumberland street, South of St. Vincent street, \$6,000. Architect, private plans. Owner, G. Smith, 4204 North Franklin street, Philadelphia. Frame, 2 stories, 26x34 feet, shingle roof, hardwood and pine floors, electric light. Owner will build.

Residences (61), Pratt and Loretta streets, Philadelphia, \$343,400. Architect, private plans. Owner, M. J. Best, 4829 Roosevelt Boulevard, Philadelphia. Brick, 2 stories, (29) 15x28 feet, 12x10 feet, (32) 15x29 feet, 11x10 feet, hot water heat, electric light. Owner will build.

Car Barn (alts.), Northeast Corner Cumberland and Kensington avenue, \$40,000. Architect, private plans. Owners, P. R. T. Co., 820 Dauphin street, Philadelphia. General alterations. Owners will build.

Salesroom (alts.), 427 North Broad street, Philadelphia, \$30,000. Architect, private plans. Owners, Horn & Brannen, on premises. General alterations. Owners will build.

Car Barn (alts.), Southeast Corner Hancock and Lehigh avenue, \$20,000. Architect, private plans. Owners, P. R. T. Co., 820 Dauphin street, Philadelphia. General alterations. Owners will build.

Residence and Store, 3023 North Twenty-second street, Philadelphia, \$7,500. Architect, private plans. Owner, A. Tornatti, on premises. Brick, 2 stories, 16x42 feet, 13x26 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residence, South side Emerson street, East of Loretto street, \$7,200. Architect, private plans. Owner, C. Miller, 2954 Custer street, Philadelphia. Frame, 2 stories, 26x28 feet, shingle roof, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Residences (4), South side Hermitage street, West of Mitchell, \$6,000 each. Architect, private plans. Owner, Max Meitner, 351 Green Lane, Philadelphia. Brick, 2 stories, 15 feet 8 inches x 40 feet, hardwood and pine floors, hot water heat, electric light. Owner will build.

Garage, South side Greenway avenue, West of Sixty-seventh street, \$5,000. Architect, Francis P. Canavan, 7032 Greenway avenue, Philadelphia. Owner, George A. Fink, 6720 Greenway avenue, Philadelphia. Brick, 1 story, 40x32 feet, 16x138 feet and 32x32 feet, slag roof, cement floors. Owner will build.

Residences (2), North side Comly street, West of Walker street, \$4,500 each. Architect, private plans. Owner, E. M. Carlson, 3224 Higbee street, Philadelphia. Brick, 2 stories, 14 feet 8 inches x 50 feet, hot water

heat, electric light, slag roof. Owner will build.

Residence, 1337 Bleigh street, Philadelphia, \$4,500. Architect, private plans. Owner, John McMullin, 1335 Bleigh street, Philadelphia. Brick, 2 stories, 16 feet 8 inches x 38 feet, hot air heat, electric light. Owner will build.

Residences (2), North side Unruh street, West of Bingham street, \$5,000 each. Architect, private plans. Owner, William G. Isles, 410 Levick street, Philadelphia. Brick, 2 stories, 14x40 feet, slag roof, hot water heat, electric light. Owner will build.

Residence (add.), West side Stenton avenue, South of Mt. Airy avenue. Architect, private plans. Owner, A. S. Tourison, 7014 Boyer street, Philadelphia. Brick, 1 story add., 24x11 feet. Owner will build.

Residences (4), South side Glenn street, East of Academy Road, \$4,000 each. Architect, private plans. Owner, Albert Corney, 5146 Frankford avenue, Philadelphia. Frame, 2 stories, 27x24 feet, hot air heat, electric light. Owner will build.

Residences, South side Shaw street, West of Wigard avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Roy B. Garrison, 4521 Ritchie street, Philadelphia. Frame, 2 stories, 26x38 feet, shingle roof, electric light. Owner will build.

Building (add.), 1109 Walnut street, Philadelphia, \$40,000. Architect, Adin B. Lacey, 1012 Walnut street, Philadelphia. Owners, Lush & Freidenburg, on premises. Brick, concrete, cut stone, 4 stories and basement, 40x32 feet, slag roof, composition, maple and oak floors, shoring, ornamental iron work, metal bulks, fire doors, galvanized iron skylights, terrazzo work, metal lath, electric light, limestone, granite. Contract awarded Hood & Gross, 1613 Chestnut street, Philadelphia.

Building (alts.), 26-28 South Sixteenth street, Philadelphia, \$25,000. Architect, C. A. Ziegler, 1309 Locust street, Philadelphia. Owner, Harry T. Saunders, 31 South Eighteenth street, Philadelphia. Cement floors, mill work, brick work, cut stone work, marble work, iron work, carpentry and mill work, pine floors, plastering, metal lath, slag and slate roof, painting and plumbing, electric work, hot water heat. Contract awarded J. Schnabel, Inc., Denckla Building, Philadelphia.

Apartment Building, North side Pine, East

Garage, 3919-27 Baring street, Philadelphia, \$20,000. Architect, private plans. Owner, Anthony Gallagher, 3700 Haverford avenue, Philadelphia. Brick, 1 story, irregular shape, slag roof, cement floors. Owner will build.

Residences (2), East side Northumberland street, South of Cottman street, \$4,200 each. Architect, private plans. Owner, Aug. Salevsky, 1415 Bleigh street, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, hot water heat, electric light. Owner will build.

Residences (27), South side Oakmont street, West of Edmund street, \$4,000 each. Architect, private plans. Owner, Thomas J. McGarvey, 725 Penfield Building, Philadelphia. Brick, 2 stories, 16x24 feet, 12x11 feet, hot water heat, electric light. Owner will build.

Residence (alts. and add.), 5536 Chester avenue, \$2,000. Architect, private plans. Owner, William Sbroglia, 6001 Elmwood avenue, Philadelphia. Brick, 1 story add., 7 feet 6 inches x 13 feet, general alterations. Owner will build.

Residences (9), East side Bingham street, South of Levick, \$31,800. Architect, private plans. Owner, Morris J. Levin, 723 East Cheltenham avenue, Philadelphia. Brick, 2 stories, 14x35 feet, slag roof, hot water heat, electric light. Owner will build.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

of Forty-fifth street, Philadelphia. Architect, Guy B. Johnson, 5413 Media street, Philadelphia. Owners, Rosemont Realty Co., care of J. Harry Swanfeld, 1317 Widener Building. Brick, steel, limestone trim, 4 stories, 100x147 feet, slag roof, hardwood floors, steam heat, electric light, tile work, ornamental iron work, electric elevators (2) (refrigeration and incinerators reserved). Contract awarded Rosemont Const. Co., Widener Building, Philadelphia, who are taking sub-bids.

Power House and Wall (add.), Chestnut Hill, Pa. Architect, Peter F. Getz, Victory Building, Philadelphia. Owners, Sisters of St. Joseph, Chestnut Hill, Pa. Stone wall addition, approx. 175 feet. Power house and general renovations. Contract awarded John McShain, Inc., 1713 Sansom street, Philadelphia, who is taking sub-bids.

Stores (3), Northwest Corner Eleventh and Arch streets, Philadelphia. Architect, Abraham Levy, Real Estate Trust Building, Philadelphia. Owner, name withheld. Brick, 3 sto-



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ries, 18 feet 6 inches x 68 feet, heating and lighting alterations, general alterations (interior), maple floors, mill work, stucco, art glass, copper bulks, plate glass. Contract awarded F. H. Levin, 1631 South Fifth street, Philadelphia.

Alterations and Additions, 5125 Baltimore avenue, Philadelphia. Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owner, Dr. Charles S. Raabe, on premises. Brick, steel, 2 stories and basement, 17x13 feet, tin roof, pine floors, hot air heating, electric lighting, bond, carpentry and mill work, painting and glazing, hardware, plumbing. Contract awarded A. B. Gilchrist, Drexel Building, Philadelphia.

Twin Residence, 622 West Kingsley street, Germantown, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, Charles Milgram, 522 West Kingsley street, Philadelphia. Hollow tile, stucco, 2½ stories, 20x50 feet, slag and tile roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded Perry T. McCluskey, 419 Luray street, Philadelphia.

Apartment House, 336-38 Lombard street, Philadelphia. Architect and owner, Ruben Beard, 2120 North Lambert street, Philadelphia. Brick, 3 stories, 28x78 feet, slag roof, pine floors, electric light. Contract awarded C. H. Booker, 2257 North Uber street, Philadelphia.

Garage, Sophia and Wilkey streets, Philadelphia, \$25,000. Engineers, H. N. Miller & Co., 34 South Seventeenth street, Philadelphia. Owners, William Montgomery Co., 999 North Second street, Philadelphia. Steel, brick, 1 story, 69x114 feet, cement floors, slag roof, steel sash, steam heat, electric light. Contract awarded to Roberts & Roller, 1904 Sansom street, Philadelphia.

Rectory (alts. and add.), Seventeenth and Ritner streets, Philadelphia. Architects, Hoffman-Henon Co., Finance Building, Philadelphia. Owners, St. Monica's Roman Catholic Church, Rev. J. J. Walsh, on premises. Contract awarded D. W. O'Dea, 420 Duncannon street, Philadelphia.

Residence (alts.), 6037 Overbrook avenue, Philadelphia, \$10,000. Architect, private plans. Owner, James J. Ryan, Pennsylvania Building, Philadelphia. General alterations. Contract awarded to James J. Johnston & Co., 1606 Swain street.

Shop (alts.), 233-35 Fitzwater street, Philadelphia, \$5,000. Architect, private plans. Owner, A. S. Wilensky, 6022 Washington avenue, Philadelphia. General alterations. Contract awarded to B. Wilensky, 2022 North Fifty-third street, Philadelphia.

Residences (7), South side Haworth street, West of Cottage street, \$4,500 each. Architect, private plans. Owner, William H. Yeland, 1350 Harrison street, Philadelphia. Brick, 2 stories, 16x30 feet, hardwood and pine floors, hot air heat, electric light. Contract awarded to C. C. Carn, 1654 Dyre street, Philadelphia.

Garage and Shop, South side Glenwood avenue, East of Thirteenth street, \$4,000. Architect, private plans. Owner, L. P. Loudensbaugh, 2937 North Thirteenth street, Philadelphia. Brick, 1 story, irregular shape, slag roof, cement floors. Contract awarded to L. M. Seely, 1504 Locust street, Philadelphia.

Warehouse (add.), 1523 South Front street, Philadelphia, \$8,000. Architect, private plans. Owners, Philadelphia-Erdman Vinegar Co., on premises. Brick, second story add., 37 feet 6 inches x 68 feet 6 inches, slag roof, pine floors. Contract awarded to A. Raymond Raff Cont. Co., 1635 Thompson street.

Residence and Store (alts. and add.), 2014 East Cheltenham avenue, \$5,000. Architect, private plans. Owner, John S. Milne, 7925 B street, Philadelphia. Brick, 1 story add., 20x18 feet, general alterations. Contract awarded to John F. Carberry, 5729 McMahon avenue, Philadelphia.

Store and Residence (alts. and add.), 1324 North Fifty-second street, Philadelphia, \$5,500. Architect, private plans. Owner, S. L. Waronker, on premises. Brick, 3 stories add., 15x10 feet and 15x11 feet, general alterations. Contract awarded to N. Statukoo, 5321 Girard avenue, Philadelphia.

Apartment (alts.), 900 North Forty-first street, Philadelphia, \$5,000. Architect, private plans. Owner, D. Corsen, on premises. General alterations. Contract awarded to J. Sattler, 1408 North Marshall street, Philadelphia.

Office (alts. and add.), Northwest Corner Colorado and Fitzwater streets, \$5,000. Architect, private plans. Owners, Children's Hospital, Eighteenth and Bainbridge streets, Philadelphia. Brick, 2 stories add., 14x12 feet, general alterations. Contract awarded to A. B. Kister, 1204 Chancellor street, Philadelphia.

Residence, 905 South Tenth street, Philadelphia, \$5,400. Architect, private plans. Owner, L. Stanish, 816 South Delhi street, Philadelphia. Brick, 3 stories, 16x32 feet, 13x19 feet, slag roof, hot water heat, electric light. Contract awarded to Alex. Marames, 929 Catharine street, Philadelphia.

Residence and Store (alts.), Northeast Corner Twelfth and Parrish streets, \$4,400. Architect, private plans. Owner, Michael Lundy, 886 North Marshall street, Philadelphia. General alterations. Contract awarded to S. Lazarus, 4914 Parkside avenue, Philadelphia.



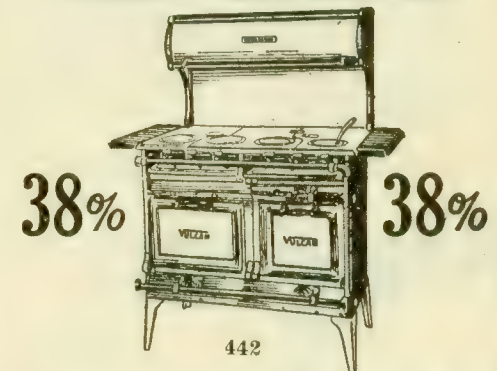
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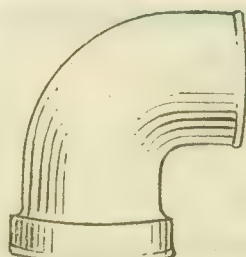
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Garage, Southeast Corner Green Lane and Fleming street, Philadelphia, \$3,600. Architect, private plans. Owner, E. M. Wilson, on premises. Brick, 1 story, 18x60 feet, slag roof, cement floors. Contract awarded to Daniel Carr, 3331 Frankford avenue, Philadelphia.

Garage, 4948 Keyser street, Philadelphia, \$3,500. Architect, private plans. Owner, Dominic Fasato, on premises. Brick, 1 story, 21 feet 6 inches x 70 feet, slag roof, cement floors. Contract awarded to Joseph Vassallo, 203 West Clapier street, Philadelphia.

Apartment (add.), 4521-31 Walnut street, Philadelphia, \$2,000. Architect, private plans. Owners, Brierhurst Realty Co., 4527 Walnut street, Philadelphia. Brick, 4 stories add., 18x24 feet. Contract awarded to Bratton Co., 4527 Walnut street, Philadelphia.

Apartment (alts.), Southwest Corner Thirteenth and Erie avenue, Philadelphia, \$12,000. Architect, private plans. Owner, Charles S. Dickinson, 1117 Rising Sun avenue, Philadelphia. Brick, 3 stories add., 16x23 feet, general alterations. Contract awarded to Katz & Keirman, 5038 North Hutchinson street.

Storage Building, East side Weikel street, South of Venango street, \$3,500. Architect, private plans. Owners, Metfah Chemical Co., Powder Mill Lane and Frankford Creek, Philadelphia. Brick, 1 story, 37x38 feet, slag roof, electric work. Contract awarded to Edward B. McCall, Sixty-fifth avenue and Park avenue, Philadelphia.

Residence (alts. and add.), 6331 Overbrook avenue, \$2,950. Architect, private plans. Owner, John Allen, 5944 Nassau Road, Philadelphia. Stone, 1 story, 10x10 feet, and second story, 20x10 feet, general alterations. Contract awarded to A. MacTavish, 2026 Waverly street, Philadelphia.

Building (alts. and add.), South side Adams avenue, West of Factory street. Architect, private plans. Owners, Thomas Megowan & Sons, on premises. Iron, second story, 14x10 feet, fourth story, 14x10 feet, general alterations. Contract awarded to Hetzel & Son, 1542 Womrath street, Philadelphia.

Shop (add.), 5011 Germantown avenue (rear), Philadelphia, \$3,000. Owner, Joseph Veasy, on premises. Brick, 1 story add., 18x50 feet. Contract awarded to John Roman, 414 East Brighthurst street, Philadelphia.

Garage, Southeast Corner Twenty-seventh and Susquehanna avenue, Philadelphia, \$3,000. Architect, private plans. Owner, Chris. Mehner, 2419 North Twenty-sixth street, Philadelphia. Brick, 1 story, 110x18 feet, slag roof, cement floors. Contract awarded to Fred A. Schumaker, 2829 West Harold street.

Residences (2) (add.), 6409-11 Race street, Philadelphia, \$2,500 each. Architect, private plans. Owner, Donato Carlone, 6409 Race street, Philadelphia. Brick, 2 stories add., 12x8 feet each. Contract awarded to John Mansolino, 6223 Girard avenue, Philadelphia.

Store and Residence (alts. and add.), 1635-37 Ogden street, \$2,000. Architect, private plans. Owner, William H. Good, on premises. Brick, 3 stories add., 13x9 feet, general alterations. Contract awarded to National Const. Co., 259 North Thirteenth street, Philadelphia.

Residence (alts.), 360 Pelham Road, Philadelphia, \$2,000. Architect, private plans. Owner, G. R. Baer, 7111 Boyer street, Philadelphia. General alterations. Contract awarded to H. C. La Rue, Jenkintown, Pa.

Warehouse, East side Third street, South of Westmoreland street, \$2,000. Architect, private plans. Owners, Fairmount Foundry, on premises. Iron, 1 story, 35x47 feet. Contract awarded to H. A. Hopple, Heed Building, Philadelphia.

Garage, West side Crowell street, South of Hunting Park avenue, \$2,500. Architect, private plans. Owner, William R. Whalen, 2416 Hunting Park avenue, Philadelphia. Brick, 1 story, irregular shape, slag roof, cement floors. Contract awarded to S. Guarnaccis, 2117 West Indiana avenue, Philadelphia.

Store and Apartment, 122 East Cheltenham avenue, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owners, E. A. Havens Co., Land Title Building, Philadelphia. Brick, steel, 1 story, 48x50 feet, slag roof, cement floors, ornamental iron work, painting and glazing, plastering. Contract awarded Stewart Brothers, 2526 North Orkney street, Philadelphia.

Residences and Garages (6), Lincoln Drive, Philadelphia. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owner, Samuel Shapiro, City Center Building, Philadelphia. Hollow tile and stucco, 2½ stories, hot water heat, electric light, slate roof, hardwood floors, tile and marble work. Owner taking sub-bids.

Residences (13), St. Martin's, Pa. Architect, H. L. Duhring, 1309 Locust street, Philadelphia. Owner, Dr. George Woodward, Mt. Airy, Philadelphia. Architect taking bids due February 26th.

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Construction News

Masonic Temple, Coatesville, Pa. Architect, George Savage, Witherspoon Building, Philadelphia. Owners, Masonic Temple Committee, care of Dr. C. E. Dietrich, Coatesville, Pa. Preliminary plans in progress.

School, Lumber and Turner streets, Allentown, Pa., \$450,000. Architects, Ruhe & Lange, 10 North Sixth street, Allentown, Pa. Owners, Allentown School Board, T. P. Wenner, secretary, Allentown. Fireproof, 25 to 30 rooms. Architects selected.

School, Second and Turner streets, Allentown, Pa., \$450,000. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Allentown School Board, T. P. Wenner, secretary, Allentown. Fireproof, 25 to 30 rooms. Architects selected.

Bank, Swarthmore, Pa. Architect, Tilghman Moyer, Allentown, Pa. Owners, Swarthmore National Bank, Swarthmore, Pa. Preliminary plans in progress. Details undecided.

Residences (4), Clifton Heights, Pa. Architect, private plans. Owner, John L. Connor, 1505 Race street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, oak and pine floors, hot water heat, electric light, metal lath, tile work, ornamental iron work. Work contemplated. Ready in the spring.

Residence, Narberth, Pa. Architect, J. L. Connaroe, 225 South Sydenham street, Philadelphia. Owner, name withheld. Hollow tile frame, 2½ stories, 52x30 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Plans completed.

Church and Sunday School, Lancaster, Pa., \$200,000. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Overline United Brethren Church, Rev. C. Hertley, 130 East Clay street, Lancaster, Pa. Stone, 1 and 2 stories, slate roof, steam heat, electric light. Plans about completed.

Bank, Duncannon, Pa. Architect, Austin Reilly, Bennett Building, Wilkes-Barre, Pa. Owners, Wyoming National Bank, Mr. Henning, president, Duncannon, Pa. Cast stone, steel, brick, 1 story, 26x85 feet, composition roof and floors, roof ventilators, metal window guards, ornamental iron work, rolled

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Church, Wilkes-Barre, Pa., \$200,000. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owners, St. Aloysius' Congregation, Rev. D. W. McCarthy, 327 Barney street, Wilkes-Barre, Pa. Structural steel, stone, brick, 1 story, seating capacity 1,000, tile roof, hardwood and tile floors, hollow tile, terra cotta trim, ornamental iron work, rolled steel sash, tile and marble work, metal lath, vapor heat, electric light. Plans in progress.

Duplex House, Wilkes-Barre, Pa. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, name withheld. Cinder block and stucco, 2 stories, 28x57 feet, asphalt shingle roof, hardwood floors, vapor heat, electric light, tile work. Plans in progress.

Stores (add.), Hazleton, Pa. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Hurley-Loughran Clothing Co., Hazleton, Pa. Brick, 1 story, 16x33 feet, slag roof, tile floors, metal ceilings, electric light. Plans in progress.

Bungalow, Royersford, Pa. Architect, J. V. Poley, 162 Second avenue, Royersford, Pa. Owner, Charles Thompson, 316 Walnut street, Royersford, Pa. Hollow tile, 1 story, 30x50 feet, composition roof, oak floors, waterproofing, terra cotta flues, bond, Morgan doors, steel sash, hot air heat, electric light (heating reserved). Plans in progress.

Garage, Lackawanna avenue, Scranton, Pa. Architect, Lester M. Davis, 616 Spruce street, Scranton, Pa. Owner, P. J. Casey, Hotel Casey, Scranton, Pa. Fireproof, 4 stories, 120x160 feet, composition roof, concrete floors, hollow tile, roof ventilators, concrete stairs, floor hardener, hollow metal doors and skylights, rolled steel sash, metal lath, vapor heat, electric light. Revised plans in progress.

Residence and Garage, Overhill Road, Ardmore, Pa. Architect, Guy B. Johnson, 4513 Media avenue, Philadelphia. Owner, William J. De Grouchy, Upper Darby, Pa. Stone, frame, 2½ stories, 26x54 feet, 2 stories, 20x22 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Store and Apartment Building, Ambler, Pa. Architects, C. E. Schermerhorn and W. K. Phillips, 213 South Fifth street, Philadelphia. Owner, Mr. Louis Schwartz, on premises. Brick, stone foundations, slag roof, 20x97 feet, cement, pine and hardwood floors, metal bulk windows, hardware, plumbing, hot water heat, electric wiring, skylights, tile work, etc. Architects will be ready for bids.

Bank Building, Fox Chase, Pa. Architect, Christian H. Fries, Fox Chase, Pa. Owners, Fox Chase Bank, Fox Chase, Pa. Brick, limestone, 2 stories, 42x85 feet, reinforced concrete, vapor heat, electric light, metal sash, skylights, vault doors, iron stairs, gypsum and slag roof, tile floors. Architect will be ready for bids in ten days.

Parochial School, Chester, Pa. Architect, L. H. Giele, 1123 Broadway, New York City. Owners, St. Hedwig's Polish Roman Catholic Church, Rev. J. L. Ploszaj, 312 Hayes street, Chester, Pa. Brick, 3 stories, will contain auditorium and 10 class rooms, steam heat, electric light, maple floors, plumbing. Plans about completed. Will be ready for bids in about two weeks.

Residences (10), Ardmore Park, Pa. Architect, Guy B. Johnson, 4513 Media avenue, Philadelphia. Owner, George M. Tatum, Penfield, Pa. Penn Building Block and stucco, 2 stories, 18x36 feet, slag roof, pine, hardwood and cement floors, hot water heat, electric light, metal lath, tile work, garages in basement. Owner taking sub-bids.

Warehouse, Scranton, Pa. Architect, G. T. Price, 616 Spruce street, Scranton, Pa. Owners, Scranton Door & Sash Co., Scranton, Pa. Frame and stucco, 2 stories, 60x36 feet, con-

crete and wood floors, freight elevators, steel and elevator doors, steam heat, electric light. Architect taking sub-bids.

High School (alts. and add.), Montrose, Pa. Architects, Edward H. Davis and George M. D. Lewis, Union Bank Building, Scranton, Pa. Owners, Montrose School Board, A. J. Wheaton, secretary, Montrose, Pa. Brick, reinforced concrete, steel, limestone, 2 stories and basement, 115x37 feet, slag roof, composition floors, metal window guards, partitions, metal doors, metal lath, tile and marble (heating, plumbing, electric and clock system separate bids). Architects will be ready for bids in about ten days.

Warehouse, Clifton Heights, Pa. Architect, private plans. Owner, John L. Connor, 1505 Race street, Philadelphia. Frame and stucco, 2 stories, 36x100 feet, slag roof, cement floors, metal lath, rolled steel sash, copper skylights, floor hardener. Plans in progress. Owner ready for sub-bids in one week.

Residences (6), Strafford, Pa. Architects, Lippincott & Schaeff, 11 South Sixteenth street, Philadelphia. Owner, Perry Beam, Wayne, Pa. Frame, brick, 2 and 2½ stories, 24x35 feet, shingle and rubberoid roof, hardwood floors, electric light, tile work, heating. Owner taking sub-bids.

Warehouse, Wilkes-Barre, Pa. Architects, Mack & Sahm, Coal Exchange Building, Wilkes-Barre, Pa. Owners, People's Outfitting Co., 103 South Main street, Wilkes-Barre, Pa. Brick, fireproof, 6 stories, 200x80 feet, slag roof, concrete floors, elevators, roof ventilators, waterproofing and dampproofing, iron stairs, rolled steel sash, electric light. Ready for bids in one week.

School (add.), Honesdale, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owners, care of architects. Brick, structural steel, 2 stories and basement, 60x85 feet, 32x32 feet, slag roof, pine floors, waterproofing, vapor heat, electric light, metal lath, rolled steel sash. Architects will take bids in one week due March 15th.

Residence and Garage (9), Merwin road, Merion, Pa. Architect, private plans. Owner, W. E. Hexamer, 932 Chestnut street, Philadelphia. Cinder block, stucco, 2½ and 3 stories, 25 feet 6 inches x 34 feet, garage, 1 story, 10x18 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Owner will build.

School, Luzerne, Pa., \$75,000. Architect, H. G. Cook, Jr., Miners' Bank Building, Wilkes-Barre, Pa. Owners, St. John's Roman Catholic Church, Miller street, Luzerne, Pa. Frame, 2 stories and basement, 56x118 feet, built-up roof, wood and composition floors, roof ventilators, metal ceilings, brass pipe, ornamental iron work, bond, wood sash, steam heat, electric light. Architect ready for bids due March 9th.

Residences (20), Llanecrh, Pa., \$160,000. Architect, private plans. Owners, Turnbull & Cornell, 16 South Twenty-first street, Philadelphia. Stone and stucco, 2 stories, 18x30 feet, shingle and slag roof, oak and pine floors, hot water heat, electric light, tile work, rolled steel sash, ornamental iron work. Owners taking sub-bids.

Residence, Glenside, Pa. Architect, J. B. Thompson, 34 South Seventeenth street, Phila-

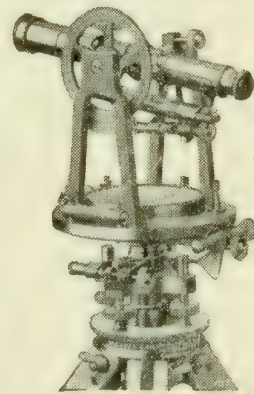
delphia. Owner, William Nixon, 2039 Spencer street, Philadelphia. Hollow tile, stucco, 2½ stories, 25x30 feet, asbestos roof, hot water heat, electric light, tile work, hardwood floors. Owner taking sub-bids.

Residences (9), Oakland Park, Delaware County, Pa. Architect engineer, M. M. Boonin, Eighth and Porter streets, Philadelphia. Owner, Nick Marino, 6215 Race street, Philadelphia. Stone and concrete block, 2 stories, 18x31 feet, slag and tar roof, pine floors, hot water heat, electric light. Owner taking sub-bids due as soon as possible.

Residence, Merion, Pa. Architects, Davis, Dunlay & Barney, 1805 Walnut street, Philadelphia. Owner, Jane Gilfillan Krumrine, Drexel Apartments, Philadelphia. Stone, cut stone, limestone, 2½ stories, slate roof, oak and pine floors, painting and glazing, damp-proofing, ornamental iron work, hollow metal sash, tile and marble work, metal lath, electric light, hot water heat. Architect will sub-let.

Residence, Ardmore, Pa. Architect, A. H. Brockie, 254 South Fifteenth street, Philadelphia. Owner, Stacey B. Lloyd, care of architect. Stone, brick, cut stone. Owner taking revised bids due as soon as possible.

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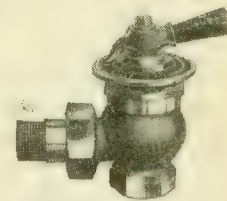
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Both Phones

School, Harvey's Lake, Pa. Architect, H. G. Cook, Jr., Miners' Bank Building, Wilkes-Barre, Pa. Owners, School District of Lake Township, G. C. Armitage, Anderson, Pa. Concrete block, 1 story, 58x108 feet (electric light, hot air heat reserved). Owners taking bids due March 16th.

Church (alts. and add.), Park avenue, Swarthmore, Pa. Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owners, Swarthmore Methodist Episcopal Church, Swarthmore, Pa. Stone, 1 story, 123x70 feet, steam heat, electric light, maple floors, slate roof. Architect taking bids due March 4th.

Store, Scranton, Pa. Architects, Edward H. Davis and George M. D. Lewis, Union Bank Building, Scranton, Pa. Owners, Constance Realty Co., Scranton, Pa. Reinforced concrete, brick, cut stone, steel, 2 stories and basement, 137x56 feet (plumbing, heating, electric, elevators, sprinkler system, steel lockers reserved), slag roof, tile roof, cement and pine floors, roof ventilators, steel ceilings, waterproofing and dampproofing, architectural terra cotta, ornamental iron work, hollow metal doors and sash, tile and marble, metal lath, rule doors. Architects taking bids due February 27th.

Church (alts. and add.), Ardmore, Pa. Architect, George C. Baum, 1511 Arch street, Philadelphia. Owners, St. Paul's Lutheran Church, Ardmore, Pa. Stone, cast stone, 2 stories, 36x58 feet, slate roof, pine floors, steam heat, electric light, tile work, bond, cast stone, stone work, tile work, iron work, carpentry, plastering, sheet metal work, slate roof, painting and glazing, plumbing, hardware, steam heat, electric work. Architect taking bids due February 26th.

Residence (alts.), New Garage, Skippack, near Lewistown, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, George Berner, care of architect. Stone, 3 stories, shingle roof, 2 story addition, 20x20 feet, garage, 2 stories, 22x28 feet, hardwood and cement floors, hot water heat, Deleo lighting system, tile and marble work, oil burning, incinerators, refrigeration, artesian well, general alts. and add. Architect taking bids due March 2nd.

Residence (alts. and add.), New Garage, Lansdale, Pa. Architect, Ernest R. Armstrong, 7151 Sprague street, Mt. Airy, Pa. Owner, Walter W. Hodgson, on premises. Cement block, hollow tile, steel, 1½ stories, 17x21 feet, shingle roof, cement, oak and pine floors, tile work, waterproofing, ornamental iron work (cork and composition floors reserved). Architect taking bids due February 26th.

Residences (4), Bryn Mawr, Pa. Architects, Webber & Wurster, 1530 Locust street, Philadelphia. Owners, Mulligan & Kennedy, 1524 Chestnut street, Philadelphia. Brick, stone, stucco, 2½ and 1½ stories, 54x45 feet, shingle roof, oak floors, pine floors, steam heat, electric light, metal lath, marble and terrazzo work, rolling steel sash, ornamental iron work. Architects taking bids due as soon as possible.

Athletic Field, Radnor, Pa. Architect, Louis S. Adams, Radnor Road, Ithaca, Pa. Owners, School District Township of Radnor, E. E. Trout, secretary, Audubon avenue, Wayne, Pa. Regrading, drainage, seeding of school athletic field. Construction of under track and repainting walls. Owners taking bids due March 12th, 4 P. M.

Hall Building, Chester, Pa. Owners, Building Committee, 600 East Fourth street, Chester, care of Felix Navickas, secretary, 640 Morton avenue, Chester, Pa. Plans and specifications may be obtained from secretary's home upon deposit of \$25. Check of \$100 must accompany each bid. Owners taking bids due March 16th, 8 P. M.

Parochial School and Gymnasium, Scranton, Pa. Architects, Morris & McHale, Mears Building, Scranton, Pa. Owners, Holy Rosary

Congregation, Rev. Dr. J. Moylan, 316 William street, Scranton, Pa. Brick, 3 stories and basement, 86x125 feet, composition roof, hardwood floors (heating, electric and plumbing separate), tile work, iron stairs. Lowest bidder: A. E. Badsley, Binghamton, N. Y.

Home, Shiremanstown, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Methodist Episcopal Home for Children, Shiremanstown, Pa. Lowest bidder: J. C. Snyder, Selinsgrove, Pa.

Residence, Rose Valley, Pa. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owner, James Lamb, care of architect. Architect taking bids due February 27th.

Pavement, Main Line, Garrett Road to East Lansdowne Borough Line. Architect, A. F. Damon, Post Office Building, Upper Darby, Pa. Owners, Township of Upper Darby, E. F. Rudolph, secretary. Approx. 14,250 square yards, 6 feet, 1 course reinforced cement concrete pavement. Owners taking bids due March 3rd, 8 P. M. Certified check \$1,000 must accompany each bid.

Widening Bridge, No. 65, over Naylor Run, South of Marshall Road, Upper Darby, Delaware County, Pa. Engineer, S. C. Hollister, Swarthmore, Pa. Owners, Delaware County Commissioners, care of County Controller, Media, Pa. Span 27 feet 4 inches, present width overall 20x10 feet, to be widened to 50 feet. Contract awarded J. H. McClatchy, on site, \$2,935.35.

Theatre (alts.), Lancaster, Pa. Architect, William H. Lee, 1505 Race street, Philadelphia. Owner, George M. Krupa, Lancaster, Pa. General alterations. Plans about completed. Will be ready for bids in two weeks.

Hospital, Upper Darby, Pa. Owners, Upper Darby Hospital, Dr. Clawson Reswick, Upper Darby. Work contemplated.

Pennsylvania Contracts Awarded

Residence, Elkins Park, Pa. Architects, Boyd, Abel & Gugert, Otis Building, Philadelphia. Owner, Fred J. Rosenau, care of architect. Natco terra cotta block and stucco, stone, 2½ stories, 75x26 feet (bond, electric, plumbing, heating, tile and painting and glazing reserved), slate roof, oak and pine floors, metal lath, rolled steel sash, ornamental iron work. Contract awarded E. Allen Reeves, Abington, Pa.

Residences (2), Cynwyd, Pa. Architect, J. L. Conaroe, 225 South Sydenham street, Philadelphia. Owners, Hershaw-Rainey, 21 South Fifty-second street, Philadelphia. Hollow tile and stucco, 2½ stories, 30x28 feet, 1 garage, 20x22 feet, also 1 basement garage, hardwood and cement floors, hot water heat, electric light, tile work. Contract awarded George Shern, 709 South Fifty-ninth street, Philadelphia.

Residence and Garage, Haverford, Pa. Architect, private plans. Owner, name withheld. Stone, stucco, 2½ stories, 45x30 feet, slate roof, oak and pine floors, hot water heat, electric light, tile work. Contract awarded Conneen Const. Co., 2315 Walnut street, Philadelphia.

Auto Sales Room (add.), Scranton, Pa. Architect, G. T. Price, 616 Spruce street, Scranton, Pa. Owner, E. B. Scott, Scranton Life Building, Scranton, Pa. Brick, steel, 1 and 2 stories, 25x30 feet, 23x17 feet, slag roof, wood floors, electric light, copper work. Contract awarded to J. Palumbo, 537 Linden street, Scranton, Pa.

Club House (alts. and add.), Flourtown, Pa. Architect, private plans. Owners, Philadelphia Cricket Club, care of Mr. Colahan, 1421 Chestnut street. Tile and marble

work, carpentry and mill work, plastering, stone work, tin roof, electric work. Contract awarded Fred A. Havens Co., 845 North Nineteenth street, Philadelphia.

Bridge, over Canal, between Bridgeport and Norristown, Pa. County engineer, J. B. Long, Boyer Arcade, Norristown, Pa. Owners, Montgomery County Commissioners, Norristown, Pa. Contract awarded C. R. Camp, 10 South Eighteenth street, Philadelphia, \$71,950.

Store (alts.), 515 Market street, Chester, Pa., \$25,000. Architect, A. Koshman, Edgemont street, Chester, Pa. Owner, John Sorcuss, 516 Market street, Chester, Pa. New bulks, plate glass, interior renovations. Contract awarded J. Goldberg, Chester, Pa.

Residence, Edgeboro, Pa. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owner, William Derr, 1724 Elm street, Bethlehem, Pa. Brick, timber, 2 stories, 20x40 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Contract awarded to George Heller, 719 North New street, Bethlehem, Pa.

Store and Apartment, Bryn Mawr, Pa. Architect, private plans. Owner, name withheld. Brick, 2 stories, 20x52 feet, hot water heat, electric light, tile work, slag roof, oak floors, plate glass, flush bulks, galvanized iron work. Contract awarded Bowden Const. Co., 1935 Chestnut street, Philadelphia.

New Jersey Construction News

Office Building, Sixth and Cooper streets, Camden, N. J. Architect, not yet selected. Owner, E. M. Solomon, Inc., 325 Market street, Camden, N. J. Work contemplated.

Residence, Beard avenue and Park Boulevard, Camden, N. J., \$17,000. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, Dr. J. Siris, 936 Broadway, Camden, N. J. Brick, 2½ stories, 40x60 feet, tile roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Apartment Building (9 apartments), North Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, name withheld. Brick, 3 stories, 18x84 feet, slag roof, pine floors, hot water heat, electric light. Plans in progress.

Residence, 1160 Thurman street, Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, Dr. Wroblewski, care of architect. Brick, 2 stories, 13x40 feet, 16x60 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Residence, Haddon Heights, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, Frank Jaggerd, Haddon Heights, N. J. Frame, 2 stories, 24x34 feet, asphalt shingle roof, pine floors, hot air heat, electric light. Plans in progress.

Garage, Trenton, N. J. Architect, R. G. Consolloy, Commonwealth Building, Trenton, N. J. Owners, C. P. Weedon Motor Co., 153 Brunswick street, Trenton, N. J. Brick, steel, 1 story, 119x70 feet, slag roof, concrete floors, steam heat, electric light, rolled steel sash, fire doors. Plans in progress.

Apartments (2), Trenton, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owner, Bane L. Temple, 29 Hillcrest avenue, Trenton, N. J. Brick, frame, 2 stories, 32x47 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Architects ready for bids.

Million Dollar Pier (add.), Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City. Owners, Associated Realty Co., care of architect. Fireproof, 1 story, 200x40 feet, fireproof roof, tile and concrete floors, hollow tile, architectural terra

cotta, ornamental iron work, metal lath, electric light. Plans in progress.

Residence, Margate City, N. J. Architect, J. R. Ogden, 143 South South Carolina avenue, Atlantic City. Owner, Mrs. Ida Van Valkenburg, care of architect. Frame, 2½ stories, 26x42 feet, asbestos shingle roof, hardwood floors, tile work, hot water heat, electric light. Plans in progress. Architect will take bids in two weeks.

Hotel Donato (add.), Commerce and Haddon avenue, Atlantic City. Architect, L. R. Barber, Guarantee Trust Building, Atlantic City. Owner, Mr. Fiore, on premises. Brick, steel, 6 stories, 30x80 feet, slag roof, pine floors, elevators, roof ventilators, waterproofing and dampproofing, iron stairs, fire doors, rolled steel sash, tile, marble and terrazzo work, metal lath, electric light. Owner will take bids.

Stores (3) and Apartment Building, Woodbury, N. J. Architect, Edward Schoeppe, 316 South Fifteenth street, Philadelphia. Owner, name withheld. Brick, 2 stories, slag roof, pine floors, hot water heat, electric light, metal bulks, metal ceilings, plate glass. Revised plans in progress. Will be ready for bids in two weeks.

Church and Sunday School, Audubon, N. J., \$150,000. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owners, Logan Memorial Presbyterian Church, Rev. G. Kane, Audubon, N. J. Stone, 1 story, basement and gallery, L shape, steam heating, electric light, slate roof. Plans in progress. Architect will be ready for bids on first unit, 40x60 feet, in about six weeks.

Warehouse, Haddon avenue and Euclid street, Camden, N. J. Architect, name withheld. Owner, Leslie W. Bell, 1006 South Sixth street, Camden, N. J. Brick, steel, concrete, 5 stories, 100x100 feet, details undecided. Plans in progress. Will be ready for bids in about two months.

School (add.), Hamilton Square, N. J. Architect, William A. Klemann, First National Bank Building, Trenton. Owners, Hamilton Township School District, care of architect. Brick, 2 stories, 12 rooms, slag roof, maple floors, steam heat, electric light, ornamental iron work. Architect taking bids due March 4th.

Bath House, Lansdowne avenue, West of Broadway, Camden, N. J. Architect, J. S. Fuller, 5438 Locust street, Philadelphia. Owner, care of architect. Brick, steel, 2 stories and basement, 42x85 feet, slag roof, pine floors, cement and concrete work, swimming pool, metal ceilings, 10,000 gallon storage tank, waterproofing, ornamental and structural iron work, oil burning system, tile and marble work, steam heat, electric light, showers. Plans in progress, ready for bids in 10 days.

Four Family Houses (6), Atlantic City, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, Harry Hantman, 427 North New Hampshire avenue, Atlantic City. Brick, 2 stories and basement, 35x80 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Owner will sub-let.

Public Garage, 1118 Louis street, Camden, N. J., \$2,300. Architect, private plans. Owner, Harry M. Wolfe, 1307 Park Boulevard, Camden, N. J. Block, 1 story, 20x100 feet, 34x40 feet, rubberoid roof, cement floors. Owner will build.

Road Work, Burlington, N. J.; Fork River, N. J.; Barnegat, N. J. Owners, State Highway Department, A. Grover, Trenton, N. J. Concrete, Burlington, N. J., road, 2½ miles long. Owners taking bids due February 28th.

Grade School (add. and alts.), Red Bank, N. J. Architect, Ernest Arend, 105 West Fortieth street, New York City. Owners, Board of Education, Red Bank, N. J. Low bidders: Hugh Getty, 359 West Twenty-sixth street,

New York City, \$218,000; T. M. Gibbs Const. Co., Corn Exchange Building, Philadelphia, \$218,788. Heating and ventilating, Austin Engineering Co., 121 West Forty-second street, New York City, \$41,989. Plumbing, T. J. Cleary, Red Bank, N. J., \$17,552. Electric work, H. Miller, Long Branch, N. J., \$5,440.

Apartment Building, States and Pacific avenue, Atlantic City, N. J. Architect, Sam Abrahamson, 2313 Walnut street, Philadelphia. Owners, Kurtz Brothers, care of architect. Brick, 3 stories, 70x70 feet, slag roof, hardwood floors, hot water heat, electric light, tile work, flush bulks, plate glass. Owners will build.

New Jersey Contracts Awarded

Hospital, near Ephriam avenue, Camden, N. J. Architects, Lackey & Hettle, 5 Hudson avenue, Camden, N. J. Owners, West Jersey Homeopathic Hospital, Dr. C. F. Hadley, Camden, N. J. Fireproof, 5 stories, 64x68 feet, slag roof, composition floors, cinder block, elevators, safety treads, roof ventilators, waterproofing and dampproofing, ornamental iron work, iron stairs, fire doors, rolled steel skylights and sash, tile and marble work, metal lath, electric light, heating extension. Contract awarded H. John Homan Co., Eighteenth and Cherry streets, Philadelphia.

Residences and Stores (4), 544-46-48-50 Kaighn avenue, Camden, N. J., \$21,000. Architect, private plans. Owner, Harry Leitchman, 1213 Atlantic avenue, Camden, N. J. Brick, 2 stories, (3) 16x50 feet, (1) 18x50 feet, slag roof, hot water heat, electric light. Contract awarded to A. Waenick, 907 Atlantic avenue, Camden, N. J.

Office (add.), 39 South Sixth street, Camden, N. J., \$3,000. Architect, private plans. Owners, Camden Lime Co., 412 Federal street, Camden, N. J. Brick, 1 story add., 10x20 feet, 14x14 feet, slag roof. Contract awarded to William Wrifford, 724 Washington street, Camden, N. J.

Residences (2), 602-04 North Thirty-fourth street, Camden, N. J., \$7,200. Architect, private plans. Owner, Leon Faber, 721 North Twenty-seventh street, Camden, N. J. Frame, 2 stories, 14x38 feet, slate surface roof, pipeless heat, electric light. Contract awarded to Homer B. Simpkins, 449 North Thirty-second street, Camden, N. J.

Delaware Construction News

Bank, Smyrna, Del., \$100,000. Architects, Tilghman Moyer Co., 141 North Ninth street, Allentown, Pa. Owners, Fruit Growers' National Bank, Smyrna, Del. Steel front, cast stone, brick, 1 story, 50x45 feet, composition roof, maple floors, hollow tile, metal window guards, dampproofing, ornamental iron work, iron stairs, bronze work, fire, kalamein and hollow metal doors, rolled steel sash, metal lath, tile, marble and terrazzo work, electric light. Architects will build.

Highway Bridges (2), over Inland Waterway, Delaware River to Chesapeake Bay. Architects, United States Engr. Office, Wilmington, Del. Owners, United States Engr. Office, Wilmington, Del. Owners taking bids due March 20th, 11 A. M. Further information upon application to owners.

Store Building, Wilmington, Del. Architect, John A. McKibbin, Industrial Trust Building, Wilmington. Owner, Harry Kaufman, 603 West Second street, Wilmington, Del. Lowest bidder on general contract: C. J. Dougherty, 2515 West Eighteenth street, Wilmington, Del., \$34,943.

Delaware

Contracts Awarded

Bancroft School, Wilmington, Del. Architects, Guilbert & Betelle, Newark, N. J. Owners, Board of Education, Delaware School Auxiliary, DuPont Building, Wilmington, Del. Brick, reinforced concrete, cut stone, steel, 3 stories and basement, 266x102 feet, slag roof, cement and maple floors, hollow tile, safety treads, roof ventilators, metal weather strips, waterproofing and dampproofing, ornamental iron work, iron stairs, bond, rolled steel skylights, tile and terrazzo work, metal lath (heating, plumbing, electric work and ventilating separate), bluestone, limestone, bronze work, steel lockers, mastic floors. Contracts awarded: H. John Homan Co., Eighteenth and Cherry streets, Philadelphia, \$339,064. Plumbing, heating and ventilating, T. T. Weldin & Son, 916 Orange street, Wilmington, Del., \$80,900. Electric, E. F. Higgins & Co., 843 Tatnall street, Wilmington, Del., \$11,754.

Miscellaneous Construction News

Warehouse, site withheld, \$300,000. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owners, Albert H. Greenfield Co., Fifteenth and Chestnut streets, Philadelphia. Reinforced concrete and steel. Plans in progress.

Church and Sunday School, Springfield, Ohio. Architect, George E. Savage, Witherpoon Building, Philadelphia. Owners, Covenant Presbyterian Church, Springfield, Ohio. Preliminary plans in progress.

Police Department Headquarters, Baltimore, Md. Architect, J. Pennington Pleasants Pennington, 330 N. Charles St., Baltimore, Md. Owners, Board of Awards, Fred A. Dolfield, City Hall, Baltimore, Md. Brick, granite, limestone, steel, 5 stories and basement, 239x160 feet, Barrett Specification roof, cement and pine floors, electric elevators, ornamental iron work, bond, kalamein and hollow metal doors, plumbing, metal window guards, waterproofing, brass pipe, rolling steel sash and skylights, marble and terrazzo work, steam heat, metal lath, electric light, bronze doors, metal partitions, cast iron and wrought iron pipe. Low bidders: Sinclair & Grigg, Medical Arts Building, Philadelphia, \$971,700; Price Const. Co., Maryland Trust Building, Baltimore, Md., \$986,000.

Miscellaneous Contracts Awarded

Stores (7) and Bowling Alley, Northwest Corner Baltimore and Howard streets, Baltimore, Md. Architect, Louis Levi. Real Estate Trust Building, Philadelphia. Owner, Joseph Wieserfeld, on premises. Rebuilding first and basement, alterations to upper floors, changing to heating and lighting, maple floors, metal ceilings, metal bulks. Contract awarded C. L. Stobekhausen, Baltimore, Md.

(Continued from page 116)

give their labor free in exchange for learning, protection and living, creating practically a condition of servitude. This condition no longer exists.

The thinking Builder and Industrialist is no longer vying for the Freedom of Labor, but for the Dignity of Labor, and general industrial freedom, and I believe that the time is here where the public

school is taking the place of the old monastery, the time of servitude is past, the time of the old practice of indenture is slowly passing. Especially is this true in the building industry.

The builder is confronted by a peculiar situation in obtaining and teaching boys. The builder is in competition with other employers for the services of the boys. The semi-skilled trades are able to offer to the young man much greater pay than a boy can, in a comparatively short time, acquire the knowledge of running machinery and become a producer. He can earn big money by driving motor trucks and, in his limited course of reasoning, he does not see the opportunities and advantages of becoming a highly skilled artisan. It takes considerable of his time and, by reason of the cost of his training, his pay must naturally be less than that in the semi-skilled trades. We builders, I say, are in competition for these boys, and unless the boys' parents are able and willing to help sustain them for the first few years, it is difficult for us to give the boys all the opportunities they should have to acquire building knowledge. Hence, let us use the public school for this fitting and service.

Now, then, the builder feels that inasmuch as he is paying taxes for the education of the youth of the country, he also has a right to expect some service from this youth. Inasmuch as everybody, including the poorest among us, who has a dollar to spend for their sustenance, is helping pay taxes, and inasmuch as approximately 50% of the entire State taxation is spent for educational purposes, the parents alone are not the only ones interested, but all of us are interested, and we have a right to expect a general service from each other. It is part of our civilization complex. The shoemaker, tailor, baker, merchant, clerk, etc., cannot live without my industry. I cannot lead a comfortable existence without theirs. Now, let us realize that in our educational system, and let us utilize the lifetime at our disposal of the young between the ages of 13 and 20, and those who are not particularly inclined towards the professions, teach them something that will be of advantage to them and advance our industries, and hope that later in their lifetime they will become interested in the fine arts and general cultural attainments.

I do not feel that the entire school periods of the boys between 13 and 20 should be engaged in teaching them vocations, but I do feel that, together with teaching them something practical, the seed and desire for learning can also be planted, and if the boy is endowed with an inquisitive turn of mind, he will learn, by applying himself, much of the culture that is now the requisite of gentility. Should he not be endowed with a desire

to know more than the three R's, no amount of tutoring or cramming between the ages of 13 and 20 will give it to him.

I have often been asked what my plan of education would be, so I will repeat it to you. Those boys who are not interested, or who, by reason of necessity, cannot go into the profession, or whose parents are unwilling or unable to provide the expense of this education, I would like to see started at an early age, put in a sort of cycle course where their vocational leanings can be discovered. After a boy has found himself, or his vocational leaning has been discovered and has decided he would like to become a building mechanic, then the rudiments of these trades can and should be taught in the public schools. Brick-laying, carpentry, plumbing, steam-fitting, and the various other trades, can be taught advantageously in the public schools. The Public will demand that they be taught in the near future, but I want to go on record that you cannot make a Finished Artisan in the public school. You can teach him the use of his tools, mathematics, drawings, etc., so that when he comes to the Industrialist at the age of 16 or 18 he is able to earn as big pay as the boy who is driving a truck, or the poor, or semi-skilled, machine hand. To become a finished artisan requires knowledge, and the only place it can be acquired is at the building. This competition for the boys and the builders' inability to teach them at an economic wage, is one of the causes of the terrific scarcity of building mechanics.

Even though the builder feels that it is entirely possible to teach the rudiments of the trades in the public schools, utilizing such time as may be necessary for the seeding of cultural attainments, the elements in civic and community service, etc., yet when the boy appears for the periods set aside for his chosen trade, he should be in the hands of a practical teacher who has gained his experience on the building.

You, in your previous discussions in conventions, have worked out these problems very effectively. Coming back to the practical side of teaching a trade to the boy, you can teach the boy in the brick-laying trade, how to cut brick, how to lay out an arch, how to cut tile, how to lay up the various bonds, how to lay out his corners and lay out a building generally, so that when he comes to a building he is not ungainly—he knows something of what might be expected of him. A Big Thing to acquire in the building trades is also the moulding and shaping of the body and muscles. It is as necessary for the plasterer to have command of his feet as it is for him to acquire the wrist motion. It is as necessary for him to be able to balance the

hock as it is for his eye to watch that part of the work to which he is applying his skill. When a carpenter or marble-cutter is using a chisel, they will always watch the point of the tool and watch the reaction of the hammer blow at the chisel point, and not where the tool is receiving the hammer blow. It is necessary to train the eye, mind and muscle to act in unison, the eye to watch the reaction of the tool and not the hammer stroke. When the boys are young, this can be most advantageously accomplished. When we train a ball player, we do not wait until he is 20 years old; when we train a musician, we do not wait until he is 16 years old. Why should we wait to train the body and muscles of a boy who expects to make his living in the building trades. These are all things that can be taught in the public schools. They are Big Things; they are interesting, and they enable the youths to command a wage, when you dismiss them at 16 years of age, equal to the wage of those who enter the lives of truck drivers and machine hands, with prospects of great future opportunities, only limited to the extent of willingness and application of endowments.

I want to call your attention again to the fact that the periods not required for educational training can be used by the Academician for teaching and seeding the cultural and gentile pursuits.

Then, too, our mechanics know very little of the history of their trade and trade traditions. The building operations of today do not lend themselves to teach boys any of the glorious past in trade achievements. We cannot tell the boy that next to the implements of war and implements of agriculture, the implements with which he is making his living are the oldest known in the World's history. The building trades can point with pride to the existence of their art for at least six thousand years. They can point with pride to the monuments of the past, and they can be told that the old artificer, before the days of industrial enslavement and class consciousness, enjoyed a social standing equal to that of the professional man.

The practical teacher can develop in the boys a vocational and trade consciousness, trade pride and appreciation for fine workmanship. It can be pointed out to him that it is not sufficient to know enough of the trade to "just get by;" that it is unfair to his brother craftsmen to hold them down to a general level when the wage is based on the production and ability of the poorest workman. We know that a poor workman is a parasite on the good mechanic's ability. We can develop a trade consciousness in the building industries, and develop a set of craftsmen who not only have a Union, but also a Trade.

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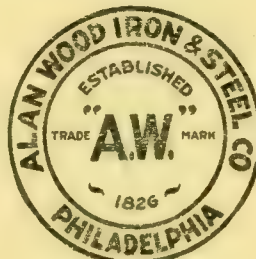
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Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XL, No. 9
March 4, 1925

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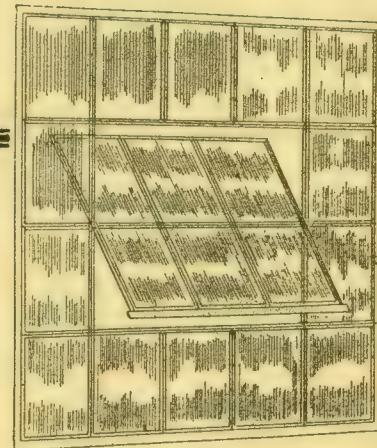
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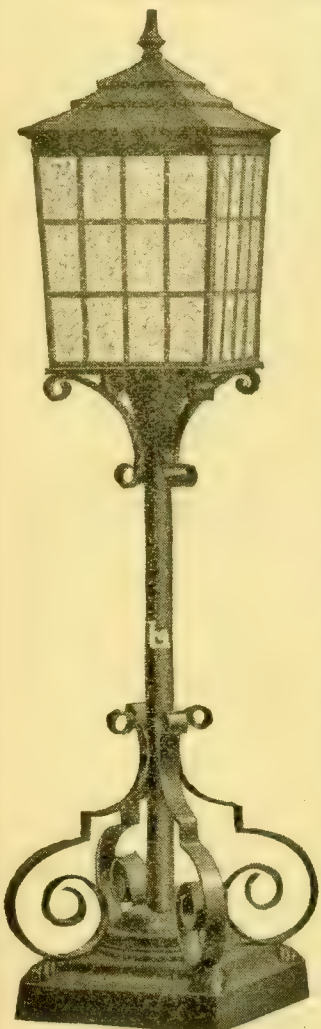
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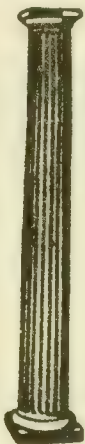
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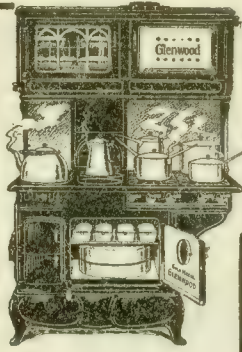
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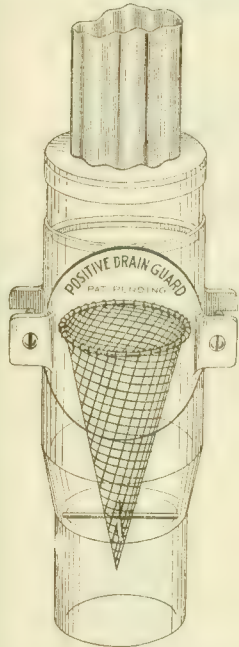
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VOLUME XL
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PHILADELPHIA
March 4, 1925

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As The Editor Sees It



LOGIC ON DAY LABOR CONSTRUCTION BY STATE

The contractor of today has made many mistakes, but has paid for them with his own money. He has become a man of high character. The force that has had more to do with making him a sterling man has been that, he has had to start at the bottom and climb slowly, step by step, the hill of experience and success. Experience has taught him how to select his men and inspire them with their work until they have become a cog in his organization. Watch him on his job, as he seems to see everything—constantly alert. Why is this? Merely because his reputation is staked on two factors—good workmanship and the elimination of mistakes so as not to impair his financial standing. That is why he stands so high in the realm of efficiency. Through years of untiring effort, he has acquired an organization equipment necessary for his work, skill and financial responsibility.

Day Labor Is Costly

Now who is fast becoming his competitor? Is it the man of skill, of high character, financial responsibility, the man who, when he completes a piece of work, looks at it and sees there a monument to his name, and his ability as a builder? No! Emphatically no! He is generally a politician who asks that he be given the work by day labor. He is not

elected or appointed because of his ability and experience as a contractor. It is well known that he was elected to that office because he was a "good fellow," the voters were sorry for him so they gave him a job, or else it was because he was harmless. He has no organization, no equipment, and generally a limited knowledge of the construction business. Generally he has been a failure in his own business, for certainly, if successful, he would not be in a public office, and remember this, he does not use any of his own money in the construction project.

No contractor in his right mind would hire such a man for a sub-foremanship, let alone superintendent of his work.

Politics Creeps In

Another absurdity of day labor construction is that most of the workmen are tax payers and given these jobs because of this and perhaps to augment political prestige. They have had no experience in construction work, and as an illustration, a man in charge of some county work in Beadle County, So. Dakota, made the following statement to the writer: "I can't make any headway with the work because my men are all taxpayers and won't put any pep into the job, and I can't fire them very well."

Another county in So. Dakota sent eight men to take out an old culvert. They spent exactly one day at it. It

would have cost a So. Dakota contractor less than \$5.00 to have done this work.

The counties in Minnesota have learned their lesson early, and it is understood that there are only two counties left in that state, doing their own work.

The report of the United States Bureau of Public Roads in 1920 shows from a study of twenty California Highways, ten of which were done by contractors and ten by the State's forces, that the contract jobs exceeded the engineer's estimate by 39 per cent. while the day labor jobs exceeded the engineer's estimate by 193 per cent.

It is gratifying to add that the present California administration went into office under a pledge to stop this reckless waste and to carry on its public construction under public competition and with a firm contract protected by surety bonds.

The Gila Dam in Arizona was estimated to cost \$800,000. It was built by day labor, without change of plan, and actually cost nearly \$2,000,000 to complete.

The writer has made many attempts to procure from counties in South Dakota the unit cost of work done, but has been unsuccessful. Undoubtedly no cost keeping was attempted, nothing allowed for the purchase of equipment, nor for its depreciation, no consideration made for compensation, insurance, bookkeeping or the overhead charges of officials. It is safe to say that there is not a county

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in South Dakota that can give an accurate cost on the spreading of a yard of gravel, the moving of a yard of dirt, or the laying of a yard of concrete.

Counties are using taxpayers' money in their work and the taxpayers are entitled to know what their costs are. County officials have no right to gamble with taxpayers' money whether it is day labor or by taking a contract.—*Bulletin, Associated Contractors of South Dakota.*

WE are in accord with the sentiment of the Corn Exchange in its recent article on "The Case of the Philadelphia Contractors." Certainly Philadelphia should be able to supply competent contractors to complete projects in Philadelphia. Why not show the Philadelphia Contractor a little courtesy by giving him a chance before crowding him off the list of invited bidders to place a New York or any foreign contractor thereon.

Says the *Corn Exchange*:

During the past year it is stated that as much as eighty million dollars' worth of contracting business has been given by distinctly Philadelphia corporations and institutions to contracting firms whose headquarters are outside our city. While it is not the desire or the thought of the Philadelphia general contractors to build a fence around the city, since they invite competition as the life of trade, that such institutions as a large hospital, a large insurance company, an electric plant and a large trust company building should award their construction work to firms outside the city, without competition from local general contractors, would seem to be a reasonable cause for complaint, and to create a situation that must be rectified if this important Philadelphia industry is to grow and the individual general contracting firms are to grow with it.

A condition arose recently where a charitable institution raised funds by popular subscriptions only, not in Philadelphia, but in only a section of Philadelphia, for the building of a large addition

to their plant, and there were eight bidders invited on this building by the committee, three of them practically "foreign" corporations, to the exclusion of local contracting concerns who had personal interest and were personally and financially able to handle the contract—an entirely unjustifiable situation—and these three "foreign" corporations were concerns of such a character that the work was entirely out of their line of activity, but were invited apparently only because the committee thought the contract too large for other than the four local contractors invited, or would need further financing than their funds at hand would permit. Should this be possible in a city of 2,000,000, the third city in the country, with possibly 100 general contracting firms needing business and support?

Many office and monumental buildings for local institutions throughout the city in the past year have been built by "foreign" corporations and many of them without local competition.

The answer to all this is that the general contractors of Philadelphia must organize and by their merit must have the support of the business interests and the commercial trade bodies, and these same interests must be made to realize they must render help and service to those from whom they get their growth and support.

There is an immense amount of work contemplated in the next few years within Philadelphia. Why can it not be handled in its entirety by local contractors on competitive basis? In other cities, particularly New York, it is practically impossible for a Philadelphia contractor to enter within twenty-five miles radius of the city; and although we have no desire to create such a barrier around Philadelphia, we only ask for consideration first, and then co-operation.

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Advance Construction News

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Residence, South side Summit avenue, East of Ridge avenue, Philadelphia, \$5,000. Architect, private plans. Owner, Walter Dearden, 533 East Conarroe street, Philadelphia. Frame, 2 stories, 30x22 feet, hot water heat, electric light, shingle roof. Owner will build.

Office (add.), 143 South Twenty-fourth street, Philadelphia, \$4,000. Architect, private plans. Owner, A. R. Rosse, 2315 Walnut street, Philadelphia. Brick, 3 stories add., 16x65 feet, slag roof, pine floors. Owner will build.

Residence, North side Burgess street, West of Bustleton Pike, Philadelphia, \$3,200. Architect, private plans. Owner, George H. Weiser, Somerton, Philadelphia. Frame, 2 stories, 24x24 feet, shingle roof, hot water heat, electric light. Owner will build.

Miscellaneous Work, Philadelphia. Owners, City of Philadelphia, Department of City Property, Philadelphia. Pleasant Hill Bathing Beach, Torresdale, improvement, \$45,000. Playgrounds: Hancock, East Germantown, Haddington, Field, Richmond and Backia, improvements. Girard Avenue Bridge, new floor system, \$250,000. Work contemplated.

Residences (29), Tenth and Summit avenue, Darby, Pa. Architect, private plans. Owner, Donald V. Redding, 5136 Chester avenue, Philadelphia. Brick, 2 stories, 15x43 feet, slag roof, pine floors, hot air heat, electric light. Owner taking sub-bids on 19. Will build 10 later.

Store and Apartment (alts. and add.), Northeast Corner Sixty-third and Haverford. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, C. C. H. Kirlin, on premises. Plans will be ready for builders in a few days.

Supplies, Philadelphia. Purchasing agent, E. J. Lafferty, 312 City Hall, Philadelphia. Owners taking bids due March 10th at noon, 329 City Hall. Water softening system, tapered boxes, milling machinery and lathe, storage battery.

Alterations and Additions, Northeast Corner Sixth and Reed streets, Philadelphia. Architects, Newbauer & Supowitz, 929 Chestnut street, Philadelphia. Owner, Dr. J. Greenburg, on premises. Hot water heat, electric work, galvanized iron skylights, carpentry and mill work, 1 story, 18x9 feet, cement work, brick work, iron work, marble work, plastering, pine floors, slag roof. Architects taking bids due March 6th.

Swimming Pools (7), Philadelphia. Owners, Department of City Property, Bureau of Recreation, Philadelphia. Twenty-sixth and South, Twelfth and Susquehanna, Eighth above Green, Ferry Road and Bridge, Falls of Schuylkill, Moyer street and Montgomery avenue, Ruffner above Sixteenth; \$267,000. Work contemplated.

Apartment House, Northwest Corner Twenty-first and Venango streets, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Venango Realty Corp., W. H. Wilson & Co., Fifteenth and Walnut streets. Brick, steel, terra cotta, 4 stories. Preliminary plans in progress.

Store and Garage Building, 2027-29 Sansom street, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Maurice and Charles Rose, North American Building, Philadelphia. Brick, steel, concrete, 4 stories, 127x115 feet, slag roof, cement floors, steam heat, electric light, reinforced concrete work. Plans in progress.

Apartment House, Sedgwick avenue, Cresham Road and Idell street, Philadelphia. Architects, MacKenzie & Wiley, Bankers' Trust Building, Philadelphia. Owner, Eugene Tourison, Jr., Bankers' Trust Building, Philadelphia. Stone, 3 stories and basement, 60x100 feet (12 apartments), slate and slag roof, hardwood floors, vapor heat, electric light, tile and marble work, structural steel. Plans in progress.

Apartment House, Weatham street and Hepburn street, Philadelphia. Architects, MacKenzie & Wiley, Bankers' Trust Building, Philadelphia. Owner, Eugene Tourison, Jr., Bankers' Trust Building, Philadelphia. Stone, 3 stories and basement, 60x100 feet, 60x70 feet, 17x30 feet, slag roof, hardwood floors, vapor heat, electric light, tile and marble work, structural steel. Plans in progress.

Store (alts. and add.), 1909 South street, Philadelphia. Architect, R. R. Neely, 2301 Spruce street, Philadelphia. Owners, Gardner Williams Mfg. Co., on premises. General interior alterations. Plans in progress.

Fire Headquarters, Juniper and Race streets, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, City of Philadelphia, Department of Public Works, City Hall. Brick, reinforced

concrete, 2 stories, 108x138 feet, slag roof, cement floors, steam heat, electric light. Plans completed. Owners ready for bids in a few days.

Residences (22), Buist avenue and Holbrook street, Philadelphia. Architect, Frank V. Nickel, 15 South Twenty-first street, Philadelphia. Owner, Frank Harrison, 619 South Fifty-second street, Philadelphia. Brick, 2 stories, 16x38 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Owner taking sub-bids.

Garage, Sixty-third and Woodbine streets, Philadelphia. Architect, private plans. Owner, O. U. Jones, on premises. Brick, 1 story, 40x100 feet, slag roof, cement floors, electric light, heating undecided, oil burning equipment. Owner taking sub-bids.

Parochial School, Keystone and Unruh streets, Tacony, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Leo's Roman Catholic Church, Rev. Hugh J. Bowen, on premises. Brick, stone, steel, concrete, 3 stories, steam heat, electric light, concrete and wood floors, plumbing. Plans about completed. Will be ready for bids in one week.

Residences (15), Courtland street, between D and Whitaker streets, Philadelphia. Architect, A. H. Mueller, Ninth and Walnut streets, Philadelphia. Owner, Phyl A. Greenspan, 142 South Eleventh street, Philadelphia. Brick, 2 stories, 16x38 feet, slag and Spanish tile roof, hardwood and composition floors, hot water heat, electric light, garages in basement. Owner ready for sub-bids.

Twin Residences, 7200 North Northumberland street, Philadelphia. Architect, private plans. Owner, Dr. C. L. Bruntraeger, 2617 North Broad street, Philadelphia. Brick, 2 stories, 16x38 feet, hot water heat, electric light, tile work, shingle, slag roof, hardwood floors, stone foundations. Owner will be ready for sub-bids March 3rd.

Residence (alts. and add.), 324 East Rittenhouse street, Philadelphia. Architect, J. Naschold, 523 North Second street, Philadelphia. Owner, George Loscalco, care of architect. Brick, hot water heat, electric light, slag roof, hardwood floors, plumbing, mill work, carpentry, tile work. Architect will be ready for bids in a week.

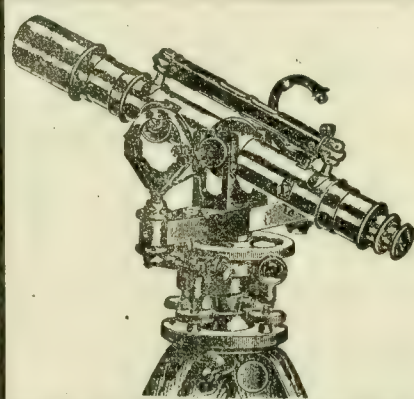
Alterations and Additions, 101-03 Midvale avenue, Philadelphia. Architect, private

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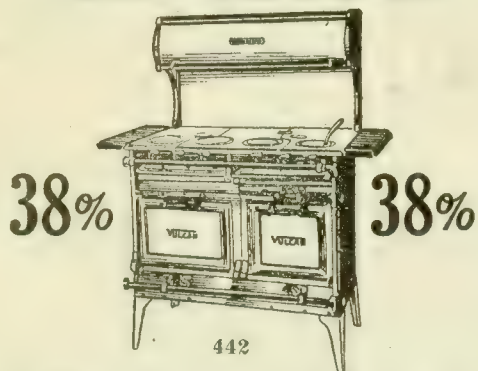
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plans. Owner, name withheld. Brick, cement, plastering, slag roof, pine floors, plumbing, carpentry and mill work, painting and glazing, steam heat, electric light. Barnes Const. Co., 1828 Arch street, Philadelphia, taking sub-bids due March 5th.

Residences (33), Seventeenth street pike, Smedley and Luzerne streets, Philadelphia. Architect, private plans. Owner, Henry J. McLean, 521 South Fifty-second street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, oak floors, hot water heat, electric light. Owner taking sub-bids.

Additions to Philadelphia Store, Roosevelt Boulevard, Whitaker and Langden. Architects, George C. Nimmons & Co., 122 South Michigan avenue, Chicago, Ill. Owners, Sears-Roebuck Co., Chicago, Ill. Brick, limestone, reinforced concrete, steel, cut stone, train shed add., 1 story, 27x440 feet, merchandise building, 9 stories and basement, 120x220 feet, shipping room, 1 story, 120x550 feet, reinforced concrete and asphalt built-up roof, kalamein, concrete and maple floors, metal lath, rolled steel sash, sheet metal skylights, steel doors, iron stairs, ornamental iron work, waterproofing, rolled steel shutters, caissons. Architects taking bids due in Chicago March 9th, 12 noon.

Frankford Community Center, Rutland, Wakeling, Large and Dyre streets, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Works, Bureau of City Property, 116 City Hall. Construction and equipment complete, public comfort and team dressing rooms Nos. 1 and 2, all work necessary for completion. Owners taking bids due March 10th at noon, Room 216, City Hall. Also bid on lightning protection of Independence Hall group of buildings, Philadelphia.

Office Building, Thirteenth and Locust streets, Philadelphia. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owners, Heyman Brothers, 213 South Broad street, Philadelphia. Brick, cut stone, granite, steel, concrete, 12 stories and basement, 115x42 feet, slag roof, cement floors, elevators, waterproofing, architectural terra cotta, ornamental iron work, iron stairs, kalamein and hollow metal doors, terrazzo and marble work, metal lath, steam heat, electric light, oil burning equipment, wrought iron pipe, sprinkler system. Architect taking bids due March 5th.

Store Building (alts. and add.), 1126 Walnut street, Philadelphia. Architect, Sol. Kaplan, 10 South Eighteenth street, Philadelphia. Owner, Samuel Kean, on premises. Brick, stone, steel, heating and lighting alterations, slag roof, composition and oak floors, plumbing, architectural terra cotta, ornamental iron work, bronze and brick work, tile and marble

work. Architect taking bids due March 6th.

Garage and Chauffeur's Quarters, 2021 Spruce street, Philadelphia. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner, Edgar S. McKaig, on premises. Brick, 2 stories, 33x117 feet, slate roof, pine and cement floors, plumbing, hot water heat, electric light, rolled steel sash, copper skylights. Architects taking bids due March 5th.

Service Station, Sixtieth and Ludlow streets, Philadelphia. Architect, J. Frank Clark, 23 South Sixteenth street, Philadelphia. Owner, A. E. Jawer, 4853 Parkside avenue, Philadelphia. Brick, steel, reinforced concrete, 2 stories, 92 feet 6 inches x 120 feet, rear 132 feet x irregular, gypsum roof, concrete floors, concrete ramps, plumbing, plate glass, steam heat, electric light, rolled steel sash, flush bulks. Owner taking bids due March 6th.

Alterations, Broad and Noble streets, Philadelphia. Owners, Horn & Brannen Mfg. Co., on premises. Brick, steel (electric work reserved), carpentry, mill work, cabinet work, bronze work, plastering, shoring, architectural terra cotta, ornamental iron work, metal stairs, granite, cut stone, metal lath, travertine stone, rubber flooring, hardware, glazing, sheet metal work, metal door, marble and tile, plumbing, alterations to heating and ventilating. Owners taking bids due March 5th.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Highways, 232 City Hall. Owners taking bids due March 6th, Room 216, City Hall, at noon. Grading, asphalt paving, country road improving, asphalt repaving, redress granite block paving, reconstruction of Market Street Bridge over Baltimore and Ohio Railroad, curb and footway work.

Store and Warehouse, 5500-04 Market street, Philadelphia. Architect and engineer, M. M. Boonin, Eighth and Porter streets, Philadelphia. Owner, Charles I. Podger, 5500 Market street, Philadelphia. Stone, brick, steel, 2 stories and basement, 55x93 feet 6 inches, slag roof, pine floors, steam heat, electric light, metal ceilings, flush bulks, waterproofing, iron work. Owner taking bids due as soon as possible.

Store and Dwelling (alts.), 2614 Girard avenue, Philadelphia. Architect, M. M. Boonin, Eighth and Porter streets, Philadelphia. Owner, Haymen Funkel, 2614 Girard avenue, Philadelphia. Stone, brick, 3 stories, 17 feet 7 inches x 67 feet, hot water heat, electric light, pine floors, red quarry tile base, store fixtures, flush bulks, iron stairs. Owner taking general bids due as soon as possible.

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Walnut streets, Philadelphia. Architect, H. Trumbauer, Land Title Building, Philadelphia. Owners, Albert M. Greenfield & Co., Bankers' Trust Building, Philadelphia. New building, 2 stories and basement, 23x224 feet, bond, cement, concrete, brick work, cut stone, terra cotta, structural metal, iron work, carpentry and mill work, plastering, painting and glazing, hardware, plumbing, marble and terrazzo work, cement and pine floors, electric, steam heat, hollow tile, limestone, granite, waterproofing, safety treads, slag roof, skylights, galvanized iron sash, metal lath, shoring. Architect taking bids due March 5th at noon.

Hall, 6014-16 Larchwood avenue, Philadelphia, \$30,000. Architect, J. C. S. Fernald, 5533 Wyalusing avenue, Philadelphia. Owner, A. M. Mahjoubian, 6242 Carpenter street, Philadelphia. Brick, 2 stories, 36x110 feet, steam heat, electric light. Owner will build.

Residences (10), Oakley and Knorr streets, Philadelphia, \$55,500. Architect, private plans. Owner, Hyman Korman, Oxford avenue and Levick street, Philadelphia. Brick and frame, 2 stories, (6) 16x46 feet, (4) 16x26 feet, 19x16 feet, hot water heat, electric light. Owner will build.

Residences (31), Residences and Stores (2), Bridge and Oakland streets, \$194,500. Architect, private plans. Owners, P. J. and T. P. McFarland, 2409 East Allegheny avenue, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residences and Garages (5), Chew and Sharpnack streets, Philadelphia, \$31,000. Architect, private plans. Owner, James N. Mitchell, Forty-sixth and Market streets, Philadelphia. Brick, 2 stories, various sizes, hot water heat, electric light, hardwood and pine floors, tile work. Owner will build.

Office (add.), South side League street, West of Twenty-second street, \$5,000. Architect, private plans. Owners, Belmont Iron Works, Twenty-second and Washington avenue, Philadelphia. Brick, second story add., 44x60 feet, slag roof, pine floors. Owners will build.

Residences (3), South side Suffolk avenue, East of Beech street, \$14,500. Architect, private plans. Owner, John Rae, 7834 Botanic avenue, Philadelphia. Brick, 2 stories, (1) 16x32 feet, 12x12 feet, (2) 15x44 feet, hot water heat, electric light. Owner will build.

Residence, West side Gilbert street, South of Gorgas Lane, \$6,500. Architect, private plans. Owner, G. Aucott, 216 Church Lane, Philadelphia. Brick, 2 stories, 30x46 feet, hot water heat, electric light, hardwood floors, tile work. Owner will build.

Residences (2), 1912-14 East Lippincott street, Philadelphia, \$3,800 each. Owner, John Seigle, Jr., 4850 Roosevelt Boulevard, Philadelphia. Brick, 2 stories, 16x42 feet, slag

roof, hot water heat, electric light. Owner will build.

Manufacturing Building, 1909-11 Buttonwood street, \$10,000. Architect, William Macy Stanton, 1524 Chestnut street, Philadelphia. Owner, David T. Nevin, on premises. Brick, 2 stories, 31x32 feet, 1 story, 31x47 feet. Owner will build.

Residences (55), Fifty-seventh and Virginia avenue, Philadelphia, \$469,600. Architect, private plans. Owner, Frank J. Peter, 2045 Stenton avenue, Philadelphia. Brick, 2 stories, (4) 16x44 feet, (51) 16x32 feet, 13x12 feet, hot water heat, electric light. Owner will build.

Residences and Garages (25), East side Horrocks street, South of Bridge street, Philadelphia, \$126,500. Architect, private plans. Owners, George R. Osborne & Son, 5014 Saul street, Philadelphia. Brick, 2 stories, 15 feet 9 inches x 40 feet, hardwood, pine and cement floors, electric light. Owners will build.

Residences (49), 201 to 249 and 200 to 246 Widener street, \$196,800. Architect, private plans. Owner, Charles G. Erny, Southeast Corner Broad and Rockland streets, Philadelphia. Brick, 2 stories, 15x24 feet, 12x11 feet and 15x35 feet, slag roof, hot water heat, electric light. Owner will build.

Residences (12), East side Akron street, North of Bridge street, \$48,800. Architect, private plans. Owner, Martin P. Newell, 3032 Aramingo avenue, Philadelphia. Brick, 2 stories, 16x36 feet, slag roof, hot water heat, electric light. Owner will build.

Residences (12), North side Buist avenue, East of Holbrook street, \$56,500. Architect, private plans. Owner, Frank T. Harrison, 619 South Fifty-second street, Philadelphia. Brick, 2 stories, (1) 16x34 feet, (11) 14x27 feet, 12x11 feet, slag roof, electric work. Owner will build.

Residences (6), Fifty-fifth and Race streets, Philadelphia, \$28,800. Architect, private plans. Owner, John J. Nolan, 5512 Vine street, Philadelphia. Brick, 2 stories, various sizes, slag roof, hot water heat, electric light. Owner will build.

Residences (9), Torresdale and Shelmire streets, Philadelphia, \$45,500. Architect, private plans. Owner, S. Rochlis, 1518 North Fifth street, Philadelphia. Brick, 2 stories, various sizes, hot water heat, electric light, slag roof, hardwood and pine floors. Owner will build.

Garage, Southwest Corner Fifth and Dauphin streets, Philadelphia, \$50,000. Architect, J. S. Fuller, 5438 Locust street, Philadelphia. Owner, Simon Kaplan, 245 South Sixty-second street, Philadelphia. Brick, 2 stories, 64x80 feet, 99x59 feet, slag roof, cement and pine floors. Owner will build.

Residences (3), Germantown avenue, North of Montana street, Philadelphia, \$24,500. Architect, private plans. Owner, Robert Kil-

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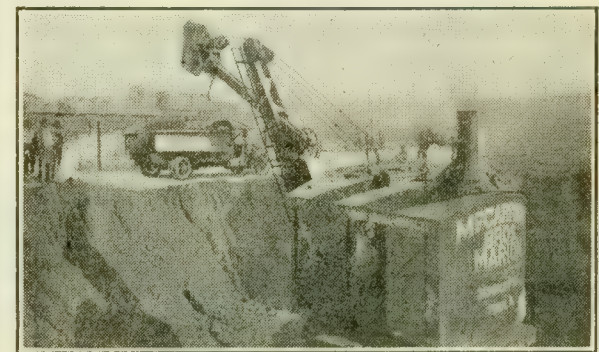
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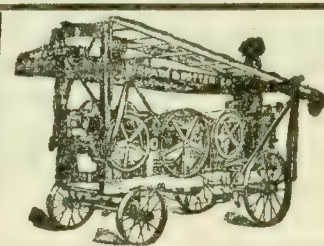


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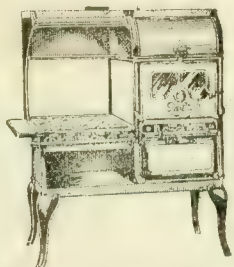
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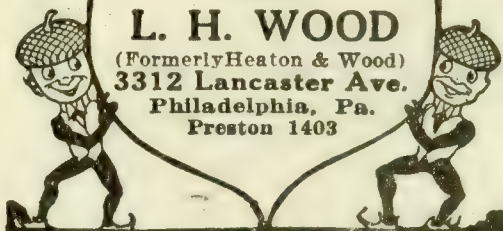
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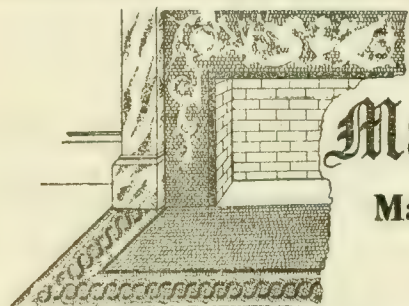
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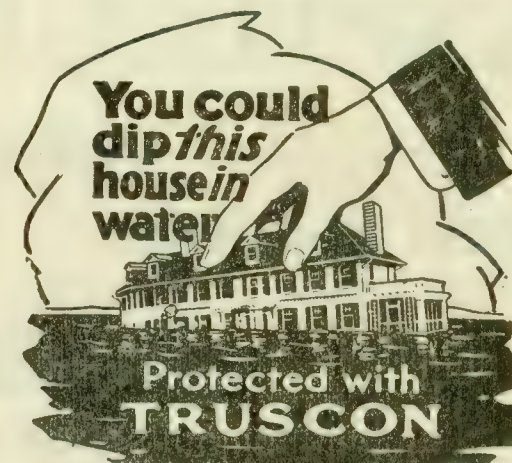
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lough, Wayne avenue and Duval street, Philadelphia. Brick, 2 stories, various sizes, hardwood floors, hot water heat, electric light, tile work. Owner will build.

Residence, West side Reach street, North of Cheltenham street, \$7,000. Owner, William Adam, 163 West Thompson street, Philadelphia. Frame, 3 stories, 24x30 feet, 1 story, 14x12 feet, hot water heat, electric light, hardwood and pine floors. Owner will build.

Residence and Shop (add.), Northeast Corner Eleventh and Indiana avenue, \$6,000. Architect, private plans. Owner, Eugene M. Malbo, on premises. Brick, second story add., 31x60 feet. Owner will build.

Residence, Northeast Corner Hermitage street and Lawnton avenue, Philadelphia, \$10,000. Owner, Max Meitner, 351 Green Lane, Philadelphia. Brick, 2 stories, 17 feet 10 inches x 50 feet, 13 feet 4 inches x 10 feet, hot water heat, electric light, hardwood and pine floors. Owner will build.

Residence, 7503 Dorcas street, Philadelphia, \$5,000. Architect, private plans. Owner, Harry Delwig, 7501 Dorcas street, Philadelphia. Brick, 2 stories, 16x35 feet, hot water heat, electric light, hardwood and pine floors, slag roof. Owner will build.

Residences (10), South side President street, East of Academy road, \$4,000 each. Architect, private plans. Owner, John Gimpel, Torresdale, Philadelphia. Brick, 2 stories, 15x37 feet, hot water heat, electric light. Owner will build.

Ideals are like stars; you will not succeed in touching them with your hands, but like the seafaring man on the desert of waters, you choose them as your guides, and, following them, you reach your destiny.—Carl Schurz.

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Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residences (23), (4) 1010-16 North Third street, and (19) 310-46 Byron street, Camden, N. J., 882,000. Architect, M. A. Bernhardt, 721 Walnut street, Philadelphia. Owners, Bridge Const. Co., 517 Federal street, Camden, N. J. Brick, 2 stories, 14x37 feet and 16x46 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to David Silver, 2658 North Thirty-first street, Philadelphia.

Store and Shop, 1926 North Twenty-second street, Philadelphia, \$5,500. Architect, private plans. Owner, Sol. Springer, 714 South Nineteenth street, Philadelphia. Brick, 1 story, 18x105 feet, slag roof, electric lighting. Contract awarded to Robert J. Mahon, 1615 Christian street.

Church (add.), Northeast Corner Fifth and Indiana avenue, Philadelphia, \$4,000. Owners, Emanuel Church, on premises. Brick, 2 stories add., 12x18 feet. Contract awarded to Frank I. Wintz, 1618 North Twenty-seventh street, Philadelphia.

Factory (alts.), Fifty-eighth and Gray's Ferry Road, Philadelphia. Architect, private plans. Owners, Unit Const. Co., on premises. Renovation of third floor and roof. Contract awarded J. N. Gill Const. Co., City Center Building, Philadelphia.

Building (alts.), Seventeenth and Poplar streets, Philadelphia. Architects, Magaziner, Eberhard & Harris, Otis Building, Philadelphia. Owner, Harry Ingle, care of architect. General alterations. Contract awarded Northeast Const. Co., care of architect.

Factory (add.), Tioga street, between C and Arbor streets, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owner, Baxter Kelly Faust, on premises. Brick, reinforced concrete steel, 2 stories additional, 193x54 feet, slag roof, maple and cement floors, hollow tile, safety treads, roof ventilators, plumbing, ornamental iron work, ornamental terra cotta, floor hardener, fire and kalamein doors, rolled steel sash and shutters. Contract awarded Philip Haibach Cont. Co., 1261 North Twenty-sixth street, Philadelphia.

Store and Office Building, Southwest Corner Seventeenth and Walnut streets, Philadelphia, \$500,000. Architect, LeRoy B. Rothchild, 215 South Broad street, Philadelphia. Owners, Seventeenth and Walnut Streets Corporation, care of architect. Brick, steel, limestone, granite, 12 stories and basement,

170x40 feet (plumbing, heating, sprinkler system reserved), slag roof, cement floors, elevators, metal weather strip, dampproofing, architectural terra cotta, ornamental iron work, iron stairs, bond, kalamein and hollow metal doors, rolled steel sash, marble and terrazzo work, metal lath, electric light, John Mansville insulated ceiling, metal toilet partitions. Permit issued to John E. Dever, Ridley Park, Pa.

Warehouse, D and Pike Sts., Philadelphia, \$100,000. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owners, A. Taylor Co., on premises. Brick, concrete, steel, 2 stories and basement, 100x100 feet, slag roof, cement floors, hollow tile floors, metal lath, tile work, rolled steel sash, fire and kalamein doors, bond, ornamental iron work, rolled steel doors, metal toilet partitions. Contract awarded Wark Co., 1600 Walnut street, Philadelphia, not signed.

Residence, Bell's Mill road, West of Germantown avenue, Chestnut Hill, Pa. Architect, Edmund B. Gilchrist, 1618 Latimer street, Philadelphia. Owner, Samuel U. Merrick, Chestnut Hill, Pa. Stone, brick, 2½ stories, 41x31 feet, garage, 10x22 feet, tin roof, oak and pine floors, plumbing, ornamental iron work, bond, warm air heat, electric light, wrought iron pipe. Contract awarded E. Allen Reeves, Abington, Pa.

Manufacturing Building, Tenth and Diamond streets, Philadelphia. Architect, private plans. Owners, Fretz Realty Co., Tenth and Diamond streets, Philadelphia. Reinforced concrete and brick, 8 stories, 110x80 feet, slag roof, cement floors, roof ventilators, steam heat, electric light, rolled steel sash and skylights. Contract awarded William Steele & Son, 219 North Broad street, Philadelphia, who are taking sub-bids.

Central Hospital, 2219 Chestnut street, Philadelphia. Architect, Clyde S. Adams, 2038 Spruce street, Philadelphia. Owners, Central Hospital of Philadelphia, 2219 Chestnut street, Philadelphia. New front, general interior alterations, composition floors, tile and marble work. Contract awarded J. P. Hallahan, 2315 Walnut street, Philadelphia.

Store (alts.), 224 South street, Philadelphia. Architects, Newbauer & Supowitz, 929 Chestnut street, Philadelphia. Owner, B. Cohen, Northwest Corner Second and South streets, Philadelphia. General alterations, hardwood floors, painting, mill work, plate glass, tile and marble work, metal bulks, iron work. Contract awarded Belinsky Brothers, 2630 South Ninth street, Philadelphia.

Store (alts.), 818 North Second street, Philadelphia. Architect, private plans. Owner,

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Meyer Weiner, on premises. Carpentry and mill work, hardwood floors, plastering, electric light, marble work, metal ceilings, plate glass, copper work, stair work. Contract awarded J. Maurer & Co., 1304 North Second street, Philadelphia.

Residence, Oak road, Germantown, Philadelphia. Architect, Edmund Gilchrist, 1618 Latimer street, Philadelphia. Owner, G. Lawrence Miller, care of architect. Stone, brick, 2½ stories, 33x35 feet, shingle roof, oak and pine floors, hot water heat, electric light, tile work, bond, ornamental iron work. Contract awarded J. S. Cornell & Son, 1528 Cherry street, Philadelphia.

Garage, Flourtown road, East of Graver's Lane, Chestnut Hill, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Arthur H. Lea, Chestnut Hill, Pa. Stone, cut stone, 1 story, slate roof, wood block, cement and cork floors, plumbing, limestone, hot water heat, electric light, metal lath. Contract awarded D. W. Sperry, 1015 Chestnut street, Philadelphia.

Garage, Harrison street, between Walnut and Locust streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Abraham Kaplan, on premises. Reinforced concrete, 2 stories, 150x115 feet, reinforced concrete work. Contract awarded to Frederick Massiah, 1342 Cypress street, Philadelphia, \$25,000.

Frankford Community Field, Wakeling, Rutland, Large and Dyre streets, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Works, Bureau of City Property, City Hall. Contracts awarded: Item B, Kaufman Const. Co., Pennsylvania Building, Philadelphia, \$23,575; Item C, McCormick Lenham, 2303 South Broad street, Philadelphia, \$4,949.

Store and Residence (alts.), 1905 Chestnut street, Philadelphia, \$20,000. Architect, C. W. Gilmore, Fidelity Building, Philadelphia. Owners, Charles Meister's Sons, 41 South Seventeenth street, Philadelphia. General alterations. Contract awarded to A. Raymond Raff Cont. Co., 1635 Thompson street.

Miscellaneous Work. Owners, Department of Public Works, Bureau of Highways, 232 City Hall. Contract awarded laying water mains. M. & J. B. McHugh, 892 North Market street, Philadelphia, \$220,000. Repaving Eighteenth street, Erie to Butler streets, Barber Asphalt Co., Thirtieth and Race streets, Philadelphia, \$4,900.

Recreation Center and Shelter Building, Pensdale and Mitchell streets, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Welfare, Bureau of Recreation, Philadelphia. Contract awarded McCormick Lenham, 2301 South Broad street, \$49,045.

Building (repairs), Southeast Corner Lipincott and B streets, \$35,000. Architect, private plans. Owners, Costello Estate, on premises. General fire repairs. Contract awarded to F. G. English & Son, 1608 North Carlisle street.

Store and Office (alts.), 1716-20 Ludlow street, Philadelphia, \$15,000. Architect, private plans. Owners, F. P. Mellon Estate, 1712 Ludlow street, Philadelphia. General alterations. Contract awarded to George L. Dougherty, 1725 Ludlow street, Philadelphia.

Residence, North side Allen's lane, West of Lincoln Drive, \$13,300. Architect, private plans. Owner, John B. Rimney, 128 East Mt. Pleasant avenue, Philadelphia. Stone, 3 stories, 27x37 feet, hardwood and pine floors, electric light, hot water heat, tile work. Contract awarded to Franklin R. Fow, Plymouth Meeting, Pa.

Residence, Northeast Corner Ramona and Herbert streets, Philadelphia, \$10,000. Architect, private plans. Owner, George W. Toland, 4663 Paul street, Philadelphia. Brick,

2 stories, 21x36 feet, 17x10 feet, hot water heat, electric light, hardwood and pine floors, tile work. Contract awarded to J. D. Fotheringham, 1000 Arrott street, Philadelphia.

Residences (3), East side Melrose street, North of Margaret street, \$13,400. Architect, private plans. Owner, John Galylwicz, Orthodox and Melrose streets, Philadelphia. Brick, 2 stories, 16x52 feet, 16x46 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Alex. Jastzowski, 4539 Bermuda street, Philadelphia.

Residences (2) (alts. and add.), 1521-23 North Twenty-second street, \$7,800. Architect, private plans. Owner, A. B. Coleman, 1519 North Twenty-second street, Philadelphia. Brick, third story add., 14x28 feet, general alterations. Contract awarded to George E. Hawk, 1628 North Twelfth street, Philadelphia.

Residences (62), Daggett street and Buist avenue, Philadelphia, \$318,000. Architect, private plans. Owner, Timothy Gallagher, Fifty-fifth and Springfield avenue, Philadelphia. Brick, 2 stories, 18x40 feet and 16x31 feet, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to John M. Gallagher, Fifty-fifth and Springfield avenue.

Garage, 304-10 Race street, Philadelphia, \$50,000. Architect, J. S. Fuller, 5438 Locust street, Philadelphia. Owner, Benjamin A. Small, Twenty-fifth and Washington avenue, Philadelphia. Brick, 2 stories, 74x142 feet, 53x52 feet, steam heat, slag roof. Contract awarded to M. J. Dougherty, Twenty-fifth and Washington avenue.

Shop, East side Fox street, North of Abbottsford road, Philadelphia, \$25,000. Architect, private plans. Owners, Hall Planetary T. M. M. Co., 4825 Garden street, Philadelphia. Brick, 1 story, 100x150 feet, slag roof, cement floors, steel sash. Contract awarded to Henry P. Schneider, 3713 Old York road.

Residence and Garage, East side Bustleton avenue, North of Cottman street, \$11,000. Architect, private plans. Owner, William Farrell, Bustleton avenue and Tyson street, Philadelphia. Brick, 2 stories, 24x40 feet, garage, 1 story, 21x21 feet, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to C. Day, 2644 Rhawn street, Philadelphia.

Residence, South side Oriole avenue, West of Silverwood street, \$9,000. Architect, private plans. Owner, Estelle I. Grindrod, Oriole

avenue and Silverwood street. Frame, 2 stories, 57 feet 8 inches x 31 feet, hot water heat, electric light, hardwood and pine floors, shingle roof, tile work. Contract awarded to Curtis-Grindrod Co., 10 South Eighteenth street.

Store and Storage (alts. and add.), 801 Sansom street, Philadelphia, \$6,000. Architect, private plans. Owner, Max Goldman, 36 South Second street, Philadelphia. Brick, 2 stories add., 19x12 feet, general alterations. Contract awarded to A. Barsky, 3225 Arlington street, Philadelphia.

Warehouse and Garage, Van Pelt street, South of Indiana avenue, \$9,000. Architect, private plans. Owner, Mrs. M. Zion, 2955 North Twenty-second street, Philadelphia. Brick, 2 stories, 20x90 feet, garage, 20x92 feet, slag roof, cement work. Contract awarded to G. Salvato, 2211 West Toronto street, Philadelphia.

Garage, East side Fourth street, North of Courtland street, Philadelphia, \$6,000. Architect, private plans. Owner, A. J. Ellis, 5724 North Marshall street, Philadelphia. Brick, 1 story, 36x40 feet, slag roof, cement floors. Contract awarded to Fitt & Forster, 5753 North Fifth street, Philadelphia.

Residences (2), South side Princeton avenue, West of Ditman street, \$6,000 each. Architect, private plans. Owner, Hugh McHenry, 6943 Torresdale avenue, Philadelphia. Brick, 2 stories, 16x16 feet, 18x26 feet, hot water heat, electric light, hardwood and pine floors. Contract awarded to J. G. Stevenson, 7014 Hegerman street, Philadelphia.

Store and Residence (alts.), 1037 South street, Philadelphia, \$5,000. Architect, private plans. Owner, B. Miller, 1039 South street, Philadelphia. General alterations. Contract awarded to A. Barsky, 3225 Arlington avenue, Philadelphia.

Residences (6), East side Seminole avenue, North of Willow Grove avenue, \$65,000. Architect, private plans. Owner, P. O. Bangert, 8025 Seminole avenue, Philadelphia. Stone, 3 stories, 16x57 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to John R. Erbe, 2551 North Sixth street, Philadelphia.

Machine Shop, West side Forty-third street, South of Woodland avenue, \$60,000. Architect, private plans. Owner, A. W. Shields, Witherspoon Building, Philadelphia. Brick, 1 story, 70x291 feet, slag roof, electric light.

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ing. Contract awarded to D. Henwood, Witherspoon Building, Philadelphia.

Building (alts.), 400 East Rittenhouse street, Philadelphia, \$5,000. Architect, private plans. Owners, New Way Laundry Co., Forty-eighth and Aspen streets, Philadelphia. General alterations and repairs. Contract awarded to Robert K. Grice, 255 North Fifty-second street, Philadelphia.

Residence and Office (alts. and add.), 5125 Baltimore avenue, \$3,500. Architect, private plans. Owner, Dr. C. S. Rosabe, on premises. Brick, 3 stories add., 17x13 feet, general alterations. Contract awarded to Alfred V. Gilchrist, 611 Drexel Building.

Store (alts.), 20 North Fourth street, Philadelphia, \$7,000. Architect, private plans. Owner, E. Hunn, 713 Walnut street, Philadelphia. General alterations. Contract awarded to B. V. Gamber, 3448 North Carlisle street, Philadelphia.

Residences (4), South side Westford road, East of Marwood road, \$6,000 each. Architect, private plans. Owner, Martin Johnson, 1510 Spencer street, Philadelphia. Brick, 2 stories, 18x30 feet, hot water heat, electric light, hardwood and pine floors, tile work. Owner will build.

Storage Building, 3323 Hamilton street, Philadelphia, \$7,000. Architect, private plans. Owner, Don W. Dever, 3322 Spring Garden street, Philadelphia. Brick, 1 story, 26x100 feet, slag roof, cement work, electric work. Contract awarded to John Welsh, 5222 Green street, Philadelphia.

Store and Residence (alts.), 2601 Reed street, Philadelphia, \$3,700. Architect, private plans. Owner, David Pearl, Southeast Corner Twenty-eighth and Wharton streets, Philadelphia. General alterations. Contract awarded to Louis Mele, Northwest Corner Dickinson and Taylor streets.

Residences (2), West side Algon street, South of Cottman street, \$4,500 each. Architect, private plans. Owner, Godfrey Dengeler, 3027 Memphis street, Philadelphia. Frame and stucco, 2 stories, 16x49 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Emil Heier, 3025 Memphis street, Philadelphia.

Store and Residence (add.), Southeast Corner Cambria and Thompson streets, \$3,000. Architect, private plans. Owner, M. Kurkowski, 174 Atlantic street, Philadelphia. Brick,

2 stories, 15x24 feet, pine floors, electric light. Contract awarded to Harry Landis, 2303 North Second street, Philadelphia.

Store, Southwest Corner Eighty-seventh and Laycock avenue, Philadelphia, \$2,600. Architect, private plans. Owner, Mr. Toub, 631 Greenway avenue, Darby, Pa. Concrete block, 1 story, 16x45 feet. Contract awarded to Thomas M. Cockerill, 2242 St. James Terrace.

Garage, 2812 North Palethorpe street, Philadelphia, \$2,500. Architect, private plans. Owner, Finley Hollow, 2813 North Second street, Philadelphia. Brick, 1 story, 30x40 feet, slag roof, cement floors. Contract awarded to William Marriott, 2912 North Third street, Philadelphia.

Store, 1833 Wallace street, Philadelphia, \$2,000. Architect, private plans. Owner, Jules F. Vogel, on premises. Brick, 1 story, 17x18 feet, slag roof, pine floors. Contract awarded

to J. Jones Davies, 641 North Eighteenth street, Philadelphia.

Office (alts.), Southeast Corner Broad and South Penn Square, Philadelphia, \$3,000. Owners, Wanamaker Estate, on premises. General alterations. Contract awarded to H. E. Baton, 1713 Sansom street, Philadelphia.

Residences (2), South side Hoffnagle street, West of E street, \$2,800 each. Owner, J. A. Bacher, 7800 Oxford avenue, Philadelphia. Brick, 2 stories, 16x26 feet, hot air heat, electric light, pine floors, electric light. Contract awarded to H. W. Myers, 4650 Boudinot street, Philadelphia.

Residence and Store (alts.), Northwest Corner Sixty-second and Walnut streets, \$2,000. Architect, private plans. Owner, William W. Burstern, Northeast Corner Sixty-first and Walnut streets, Philadelphia. General alterations. Contract awarded to P. Savar, 719 Snyder avenue, Philadelphia.

PENNSYLVANIA

Construction News

Strand Theatre, Pottstown, Pa. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, Pottstown Theatre Co., G. W. Bennethum, 1307 Vine street, Philadelphia. Architects taking revised bids due March 10th. Plans will be ready March 3rd.

Auditorium, Bryn Mawr, Pa. Owners, Bryn Mawr College, Dr. Marion Edwards Park, president, Bryn Mawr, Pa. Work contemplated.

Group of Buildings, Reading, Pa., \$1,000,000. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Schuylkill College, Rev. W. F. Teel, president, Reading, Pa. Architects selected.

Church (add.), Bethlehem, Pa. Architects, C. W. Bolton & Son, Schaff Building, Philadelphia. Owners, Grace Reformed Church, Rev. T. C. Brown, Bethlehem, Pa. Brick, 2 stories. Preliminary plans in progress.

Residence, Elkins Park, Pa. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, name withheld. Stone, hollow tile, stucco, 3 stories, 55x80 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Apartment House, Fayette near First avenue, Conshohocken, Pa. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owner, Harry C. Schwalbe, Conshohocken, Pa. Revised plans in progress.

Factory (add.), Lancaster, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, K. D. Mfg. Co., Lancaster, Pa. Concrete block, 2 stories add., 60x100 feet, slag roof or composition roof, pine floors, roof ventilators, electric light, rolled steel sash, electric light. Plans in progress.

Residence, Willow pike, Lancaster, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owner, Edgar Hess, Hollinger, Lancaster County, Pa. Stone, stucco, 2½ stories, 36x30 feet, slate roof, hardwood floors, metal weather strip, vapor

heat, electric light, tile work, flagstone. Plans in progress.

Store and Apartment, Duke street, Lancaster, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owner, Tony Skyllas, Lancaster, Pa. Brick, 3 stories, 30x70 feet, shingle roof, hardwood and composition floors, vapor heat, electric light, copper work, plate glass. Plans in progress.

Residences (2), Devon, Pa. Architect, R. R. Neely, 2301 Spruce street, Philadelphia. Owner, name withheld, care of architect. Frame, stucco, 1½ stories, 47x22 feet, shingle roof, hardwood floors, hot water heat, tile work, electric lighting. Architect taking sub-bids.

Residences (6), Merion, Pa. Architect, R. R. Nelly, 2301 Spruce street, Philadelphia. Owner, name withheld, care of architect. Building block, stucco, 2½ stories, 26x30 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Owner will build.

Residence, Camp Hill, Pa. Architect, private plans. Owner, Charles Emrick, 1824 Regina street, Harrisburg, Pa. Brick, 2½ stories, 28x32 feet, slate roof, hardwood floors, steam heat, electric light, tile work. Plans in progress. Owner will take bids.

Theatre, Store and Apartment, Hazleton, Pa. Architect, William H. Lee, 1505 Race street, Philadelphia. Owners, The Hazleton Theatre Co., Hazleton, Pa. Hollow tile brick, facing, 1 story, mezzanine and balcony, 57x150 feet, 3 stories, will contain 4 apartments, vapor heat, electric light, tile and marble and seagliola work, metal skylights, built-up roof, concrete and pine floors, structural steel, plumbing. Plans in progress. Will be ready for bids in two weeks.

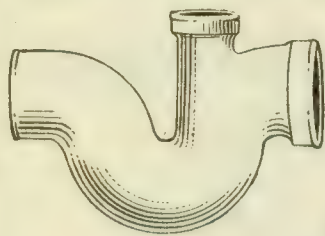
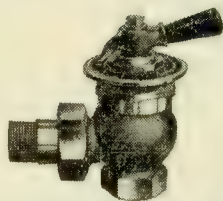
Residence, New Cumberland, Pa. Architects, Whitman & Royer, 47 East Market street, York, Pa. Owner, Rev. V. T. Rue, Wrightsville, Pa. Brick, 2½ stories, 28x36 feet, asphalt shingle roof, hardwood and pine floors, hot water heat, electric light. Plans in progress. Owner will take bids.

Grade and High School (add.), Oxford, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, Oxford School Board, William Collins, secretary, Oxford, Pa. Brick, structural steel, 2 stories, 60x60 feet, slag roof, pine floors, safety treads, roof ventilators, waterproofing and dampproofing, terra cotta (heating, plumbing and electric work separate). Plans in progress. Will take bids in three weeks.

Residence, Lancaster, Pa. Architect, C. Emilen Urban, Woolworth Building, Lancaster, Pa. Owner, Charles E. Wissner, 515 West Chestnut street, Lancaster, Pa. Cinder block

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and stucco, 2½ stories, 82x32 feet, hardwood floors, vapor heat, electric light. Plans in progress. Will take bids in one week.

Residence, Shenandoah, Pa. Architect, E. Z. Scholl, 510 Walnut street, Reading, Pa. Owner, D. Ferguson, Citizens' Bank Building, Shenandoah, Pa. Brick, 2 stories, 30x50 feet, slate roof, hardwood floors, electric light. Plans in progress.

Residences and Garages (7), Cynwyd, Pa. Architect, Ralph Goldberg, 10 South Eighteenth street, Philadelphia. Owners, Winkelman & Davis, care of architect. Hollow tile, flagstone, stucco, stone, 2½ stories, 40x25 feet, 1 story, 20x24 feet, shingle roof, oak floors, cement work, vapor heat, electric light, tile work. Architect ready for sub-bids.

Hotel and Store (add.), Lansford, Pa. Architect, Benjamin R. Stevens, 1827 Arch street, Philadelphia. Owner, A. Gavaula, Lansford, Pa. Frame, brick, stucco, 3 stories, 72x35 feet, asbestos roof, pine and marbleoid floors (heating, plumbing and lighting reserved). Plans about completed. Architect will be ready for bids in a few days.

Bungalow, Springfield, Pa. Architect, Frank V. Nickels, 15 South Twenty-first street, Philadelphia. Owner, name withheld. Brick, 2 stories and basement, 32x61 feet, vapor heat, electric light, tile work, slate roof, hardwood floors. Plans about completed. Architect will be ready for general bids in a few days.

School (add.), Jonestown, Pa. Architect, Joseph Uhler, Lebanon, Pa. Owners, Jonestown School Board, care of architect. Brick, frame, 2 stories, 40x70 feet, slate roof, maple floors, roof ventilators (heating, plumbing, electric separate). Architect will take bids the first of March, due March 15th.

John Harris High School, Twenty-fifth and Market streets, Harrisburg. Architects, Lappley & Hornbostel, Ebner Building, Harrisburg, Pa. Owners, Harrisburg School Board, 121 Chestnut street, Harrisburg. Possibly stone exterior, 1 and 2 stories, various sizes, composition roof, hollow tile, safety treads, roof ventilators, waterproofing and dampproofing, terra cotta, ornamental iron work, iron stairs, skylights, tile and marble (heating, plumbing and electric separate). Owners will be ready for bids March 9th.

Stores (8), Apartments (24), Baltimore, between Church and Beverly roads, Fernwood, Pa. Architect, W. A. Hall, Upper Darby Post Office Building, Upper Darby, Pa. Owner, F. C. Hoopes, care of R. Hoopes Co., Third and Baltimore avenue, Fernwood, Pa. Brick, steel, stone, terra cotta, 3 stories and basement, 133x150 feet, irregular, composition roof, oak floors, vapor heat, electric light, tile work. Owner will build.

Hotel and Stores (2), Milton, Pa. Architect, William L. Charr, Victory Building, Philadelphia. Owners, A. Berman & Son, care of architect. Steel, stone, brick, 5 stories and basement, 44x165 feet, steam heat, electric light, metal lath, tile and marble work, hollow metal skylights, fire doors, store fixtures, bond, metal bulk, iron stairs, ornamental iron work, slag roof, pine and hardwood floors, maple floors, metal weather strip, metal ceiling, waterproofing. Revised plans completed. Architect taking bids due as soon as possible.

win Residences (26), Albemarle, West of Windemere, Lansdowne. Architect, Frank V. Nickels, 15 South Twenty-first street, Philadelphia. Owner, name withheld. Brick and stucco, 3 stories and basement, 19x45 feet, slate roof, hot water heat, hardwood floors, cement work, metal lath, tile work. Plans about completed, ready for sub-bids in a few days.

Residences (10), Merwood Tract, Haverford Township, Pa. (price from \$12,000 to \$15,000). Architect, private plans. Owner, Maurice J. Fagan, Brookline, Pa. Frame and stucco, 2½ stories, 30x36 feet, 24x30 feet,

24x36 feet, shingle roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans completed. Owner ready for sub-bids.

Residence, Lancaster road, near County Line Bryn Mawr, Pa. Architect, A. H. Brockie, 254 South Fifteenth street, Philadelphia. Owner, Miss Bertha Black, care of architect. Stone, 2½ stories, 41x20 feet, wing 18x40 feet, slate roof, oak and pine floors, hot water heat, electric light, tile work, ornamental iron work. Architect taking bids due March 6th.

Lodge Building, Swarthmore, Pa. Architects, Karcher & Smith, 34 South Seventeenth street, Philadelphia. Owners, Kappa Sigma Fraternity, Swarthmore College, Swarthmore, Pa. Stone, cut stone, steel, 2½ stories, 22x25 feet, wing 17x18 feet, slate roof, oak and cement floors, vapor heat, electric light, bond, waterproofing, ornamental iron work, flagstone, bluestone, metal casements. Architects taking bids due March 9th.

Residence (alts. and add.) to Store and Apartment, York, Pa. Architects, Whitman & Royer, 47 East Market street, York, Pa. Owner, L. D. Smith, Rossville, Pa. Brick, 3 stories, 10x28 feet, hardwood floors, vapor heat, electric light, tile and marble work, copper, plate glass, general alterations. Architects taking bids due March 9th.

Topton Orphanage, Topton, Pa. Architects, Scholl & Richardson, 510 Walnut street, Reading, Pa. Owners, Topton Home, Rev. Henry, Topton, Pa. Brick, 2 stories, 42x56 feet, slate roof, wood floors, steam heat, electric light. Owners taking bids due March 10th.

School and Auditorium, Minersville, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, St. Francis' Lithuanian Parish, Rev. J. A. Karalois, Minersville, Pa. Brick, structural steel, 3 stories, 92x64 feet, slag roof, hardwood and cement floors, hollow tile, safety treads, roof ventilators, cast stone, iron stairs, bond, metal lath, steam heat, electric work. Architect taking bids.

Junior and Senior High School, Wayne, Delaware County, Pa. Architect, I. T. Catharine, Nineteenth above Chestnut street, Philadelphia. Owners, School District Radnor Township, E. E. Trout, secretary, Philadelphia. General, heating, electric, plumbing, ventilating, cabinet work. Architect taking bids due March 12th at noon.

Residence, Spencer avenue, Lancaster, Pa. Architect, private plans. Owner, John Bechtold, Race street, Lancaster, Pa. Cinder block, stucco, 2½ stories, 28x24 feet, slate roof, oak floors, hot air heat, electric light, tile work, cut stone. Owner taking bids.

Residences (2), Lancaster, Pa. Architect, private plans. Owner, H. J. Ripple, 22 South Duke street, Lancaster, Pa. Brick, 2½ stories, 27x30 feet, 30x30 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Owner taking bids.

Supplies, Upper Darby Township, Delaware County, Pa. Owners, Highway Committee, F. C. Hoopes, chairman, Upper Darby, Pa. Owners taking bids due March 3rd, 8 P. M., at Board of Commissioners, on crushed trap rock, slag, pebbles, etc., for bituminous material prices to include spreading.

Road Work, Pennsylvania. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa. Owners taking bids due March 13th at 10 A. M.

Armstrong County, R-71, Sec. 2, West Franklin Township, Worthington Borough, 18,285 feet. One course reinforced concrete. Certified check, \$2,500.

Allegheny County, R-70, Tarentum Borough, 3,938 feet. One course reinforced concrete and hillside vitrified brick pavement. Certified check, \$1,500.

Allegheny County, R-247, Castle Shannon Borough, 8,613 feet. One course reinforced

concrete. Certified check, \$2,000.

Crawford County, R-271, A-3286-3287, Riceville Borough, Bloomfield, Athens and Rome Townships, 41,064 feet. One course reinforced concrete. Certified check, \$4,000.

Clearfield County, A-2044, Huston Township, 10,560 feet. One course reinforced concrete. Certified check, \$2,000.

Dauphin County, A-692, 2790, East Hanover Township, 10,135 feet. One course reinforced concrete. Certified check, \$2,000.

Lawrence County, R-265-4, A-3332, Enon Valley Borough, North Beaver and Little Beaver Townships, 27,673 feet. One course reinforced concrete. Certified check, \$3,500.

McKean County, R-211, Sec. 1, Keating and Eldred Townships, 24,725 feet. Either bituminous surface course on concrete foundation or one course reinforced concrete. Certified check, \$3,500.

Perry County, R-275, Watts, Howe and Buffalo Townships, 53,628 feet. Grading and drainage. Certified check, \$4,000.

Pike County, R-7, Palmyra and Blooming Grove Townships, 51,799 feet. Grading and drainage. Certified check, \$4,000.

Warren County, R-89, Pittsfield Township, 31,380 feet. Either bituminous surface course on concrete foundation or one course reinforced concrete. Certified check, \$3,500.

Wayne County, R-835, Texas, Berlin and Damascus Townships, 55,958 feet. One course reinforced concrete. Certified check, \$4,000.

Westmoreland County, R-302, Sec. 2, St. Clair Township, 6,311 feet. One course reinforced concrete. Certified check, \$1,500.

Westmoreland County, R-302, Sec. 1, Ligonier Township, 5,400 feet. One course reinforced concrete. Certified check, \$1,500.

Westmoreland County, R-348, A-3002, Washington and Bell Townships, 25,840 feet. One course reinforced concrete. Certified check, \$3,500.

Westmoreland County, R-181, A-3003, East Huntingdon Township, 18,292 feet. One course reinforced concrete. Certified check, \$2,500.

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Pennsylvania

Contracts Awarded

Masonic Temple, Bethlehem, Pa. Architect, William H. Lee, 1505 Race street, Philadelphia. Owners, Bethlehem Temple Association, Bethlehem, Pa. Brick, cast stone, concrete, cut stone, concrete block, steel, 2 stories and 2 mezzanines, 148x54 feet, wing 33x32 feet, built-up asbestos roof, pine, maple and cement floors, steam heat, electric light, metal lath, marble and terrazzo work, kalamein and hollow metal doors, ornamental iron work, metal ceilings, roof ventilators, bluestone. Contract awarded to low bidder, H. E. Stoudt, Bethlehem, Pa.

Buildings, Crescentville, Pa. Architect, private plans. Owners, Electric Storage Battery, Crescentville, Pa. Brick, steel, steam heat, electric light, slag roof, cement floors, rolled steel sash, ornamental iron work, brick and steel, 1 story, 81x242 feet, brick, 1 story, 46x73 feet, locker room, 2 stories, 20x41 feet. Contract awarded William Steele & Son, 219 North Broad street, Philadelphia, who will take sub-bids.

Williamsport Central Office Building, Williamsport, Pa. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., Seventeenth and Arch streets, Philadelphia. Brick, cut stone, steel, 2 stories and basement, 77x64 feet, slag roof, cement floors, hollow tile, plumbing, waterproofing, ornamental iron work, bond, hollow metal sash, steam heat, electric light, wrought iron pipe. Contract awarded Franklin M. Harris Co., 1520 Parrish street, Philadelphia.

New Roof on Engine House, Lebanon, Pa. Architect, C. Dillenback, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Steel columns and trusses, 60x70 feet, drainage, built-up asbestos roof, bond. Contract awarded Rapp Const. Co., Lebanon, Pa.

Residence and Garage, Jenkintown, Pa. Architect, A. C. Borzner, 717 Walnut street, Philadelphia. Owner, George Hauptfuhrer, Jenkintown, Pa. Stone, 3½ stories, 43x43 feet, slate roof, oak, pine, cement floors, hot water heat, electric light, tile work, ornamental iron work. Contract awarded H. H. Wehmeyer, 509 West Cumberland street, Philadelphia.

Home, Shiremanstown, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Methodist Episcopal Home for Children, Shiremanstown, Pa. Contract awarded to J. C. Snyder, Selinsgrove, Pa.

Residence, York, Pa. Architects, Gimmell & Billmeyer, York, Pa. Owner, George W. Watson, York, Pa. Brick, 2½ stories, 30x40 feet, slate roof, hardwood floors, steam heat, electric light, tile work. Contract awarded to George Rupp, York, Pa.

Residence, Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, J. A. Eekman, Lancaster, Pa. Brick, 2 stories, 30x28 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Contract awarded to B. Frank Bachman, Lancaster, Pa.

Bank (alts. and add.) to Post Office, Lancaster, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, Farmers' National Bank, Mr. Bradigon, Lancaster, Pa. Brick, structural steel, 2 stories, 26x40 feet, Johns Manville roof, hardwood floors, roof ventilators, heating extension, electric light. Contract awarded to Hershey Lehman, Lancaster, Pa.

Bridge, No. 181-89, Main street, South of Montgomery, Pa. Architect, private plans. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Reconstruction of reinforced concrete brick. Contracts awarded: Superstructure, Shoemaker

er Bridge Co., 4 South Fifteenth street, Philadelphia; substructure, J. H. Wickersham, Harrisburg, Pa.

Residence and Garage, Ingelbory and Remington roads, Overbrook, Pa. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner, Henry P. Bailey, care of architect. Stone, brick, cut stone, 2½ and 1½ stories, 48x64 feet, 33x23 feet, hot water heat, electric light, marble and tile work, bond, ornamental iron work, slate roof, oak, pine and cement floors, limestone. Contract awarded F. G. Stewart, 1520 Locust street, Philadelphia.

New Jersey

Construction News

Residences, 1053 Bergen avenue, Camden, N. J., \$3,500. Architect, private plans. Owner, Carl Wilen, 343 Milton street, Camden, N. J. Frame, 2 stories, 22x27 feet, rubberoid shingle roof, hot air heat, electric light. Owner will build.

School Building (8 rooms), Pennsville, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owners, Board of Education, Township of Lower Penn's Neck, Salem County, N. J. Concrete and brick, 2 stories (plumbing, heating, electric and ventilating separate). Plans may be obtained from architect after March 5th. Deposit, \$15, refund \$10. Certified check 3 per cent. of bid required. Owners taking bids due March 18th at 7 P. M.

Schools (2), Pitman, N. J. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, School District of Pitman, Pitman, N. J. Preliminary plans in progress.

Factory, Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Freeman Electric Co., Prince and Meade streets, Trenton. Brick, steel, 5 stories, rolled steel sash, fire doors. Plans in progress. Too early for details.

Office, Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Freeman Electric Co., Prince and Meade streets, Trenton. Brick, steel, 3 stories. Plans in progress. Too early for details.

Residence, Morris Heights, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owner, A. F. Robertshaw, Edge Hill Garden, Morris Heights, N. J. Cinder block and stucco, 2 stories, 35x28 feet, tile roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Garage (6-car), Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Freeman Electric Co., Prince and Meade streets, Trenton, N. J. Brick, steel, 1 story, rolled steel skylights. Plans in progress.

Stores and Apartments, Southwest Corner Twenty-fifth and Federal streets, Camden, N. J. Architect, William L. Charr, Victory Building, Philadelphia. Owners, Weiner & Cornfield, care of architect. Steel, stone, brick, 2 stories, 20x200 feet, slag roof, maple and pine and composition floors (heating reserved), electric light, metal lath, tile and marble work, hollow metal skylights, store fixtures, bond, metal bulks, ornamental iron work. Plans completed.

Factory (add.), Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Freeman Electric Co., Trenton, N. J. Brick, steel, 2 stories, 30x90 feet, slag roof, hardwood floors (heating, plumbing and electric work reserved), rolled steel skylights, fire doors, wire glass. Architect ready for bids due March 7th.

Apartments (2), Trenton, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owner, Bane L. Temple, 29 Hillcrest avenue, Trenton, N. J. Brick, frame, 2

stories, 32x47 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Architects taking bids due March 10th.

Residence, Atlantic City, N. J. Architect, R. R. Neely, 2301 Spruce street, Philadelphia. Owner, Mrs. Morning Mack, care of architect. Brick, 3 stories, 20x40 feet, slag roof, pine and hardwood floors, hot water heat, electric light, tile work. Owner will build and is taking sub-bids.

Apartment Building (alts. and add.), Roberts and Hummock avenue, Atlantic City, N. J. Architect, R. R. Neely, 2301 Spruce street, Philadelphia. Owner, Edward Jenkins, care of architect. Brick, 3 stories, 16x32 feet, individual hot water heat, electric light, slag, Spanish tile roof, concrete and pine floors, cast stone work. Owner taking bid from local bidders.

School No. 3 (add.), Audubon, N. J. Architect, A. H. Moses, Temple Building, Camden, N. J. Owners, Board of Education of Audubon, Oak street and Oakland avenue, Audubon, N. J. Brick, reinforced concrete, steel, 2 stories, 37x83 feet, built-up roof, roof, maple, mastic and cement floors, roof ventilators, bond, metal lath (heating and ventilating, plumbing and electric separate). Owners taking bids due March 17th at 8 P. M. Deposit of \$50.00 required.

Church, Pitman, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owners, Pitman Presbyterian Church, Mr. Boswick, Pitman, N. J. Brick and stone, 1 story and basement, 40x70 feet, slag roof, maple floors, hollow tile (heating, plumbing and electric reserved), metal lath, tile and marble work. Architects taking bids due March 12th.

New Jersey

Contracts Awarded

Residences (4), 2749-51 and 2946-48 Congress Road, Camden, N. J., \$16,600. Architect, private plans. Owner, Samuel Rosen, Yorkship Square, Camden, N. J. Block and stucco, 2 stories, 18x40 feet, slag roof, pipeless heat, electric light, hardwood and pine floors. Contract awarded to Eugene Bruner, 2760 North Congress Road, Camden, N. J.

Bank, Haddon and Kaighn avenues, Camden, N. J. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Parkside Trust Co., Camden, N. J. Brick, steel, cut stone, concrete, granite, 2 stories and basement, composition roof, cement floors, hollow tile, shoring, waterproofing, architectural terra cotta, ornamental iron work, iron stairs, bond, tile and marble work, metal lath, steam heat, electric light, plumbing, revolving doors, rubberstone flooring, metal furniture, bronze work, bluestone, limestone. Contract awarded Franklin M. Harris, 1520 Parrish street, Philadelphia.

School, Hopewell, N. J., \$97,128. Architects, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Board of Education of Hopewell Township, H. H. Pittinger, Hopewell, N. J. Brick, steel, 2 stories, 172x78 feet, built-up roof, maple floors, hollow tile, safety treads, metal ceilings, dampproofing, ornamental iron work, iron stairs, bond, metal lath (heating, plumbing and electric separate). Contract awarded to Griffith & Watkins, Trenton, N. J. Heating and plumbing to Trenton Plumbing & Heating Co., Trenton, N. J. Electric awarded to Carr & Schultz, Trenton, N. J.

School, Pennington, N. J., \$81,068. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Board of Education of Hopewell Township, H. H. Pittinger, Hopewell, N. J. Brick, steel, 2 stories, 156x78 feet, built-up roof, maple floors, hollow tile, safety treads,

metal ceilings, dampproofing; ornamental iron work, iron stairs, bond, metal lath (heating, plumbing and electric separate). Contract awarded to Griffith & Watkins, Trenton, N. J. Plumbing and heating to Trenton Plumbing & Heating Co., Trenton, N. J. Electric awarded to Carr & Schultz, Trenton, N. J.

Bank, Medford, Burlington County, N. J. Architect, Thomas E. Ash, 1012 Walnut street, Philadelphia. Owners, Burlington County National Bank, Medford, N. J. Brick, 2 stories, 28x60 feet, slate roof, wood and linoleum floors, vapor heat, electric light, marble work. Contract awarded H. B. Miller, Edgewater Park, N. J. Electric, J. H. Anderson, Mt. Holly, N. J. Heating and plumbing, W. F. Smith, Medford, N. J. Concrete and cement, Medford Cement Co., Medford, N. J. Vault, York Safe & Lock Co., 1613 Chestnut street, Philadelphia.

Bank, Fifth and Market streets, Camden, N. J. Architects, Davis, 3rd, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Land Title Guaranty Co. of New Jersey, Mr. Halyburton, on premises. Brick, cut stone, steel, 2 stories and basement, 100x38 feet, slag roof, rubber and cement floors, plumbing, ornamental iron work, hollow metal and kalamein doors, rolled steel sash, tile, marble and terrazzo work, steam heat, electric light, bronze work. Contract awarded to Cramp & Co., Denckla Building, Philadelphia.

Residence and Garage, Woodbury, N. J. Architect, R. L. Goldberg, 10 South Eighth street, Philadelphia. Owner, George A. Eagen, care of architect. Frame, 2½ stories, 25x60 feet, 1 story, 20x24 feet, creosote-dipped shingle roof, oak floors, cement work, tile work, electric light, vapor vacuum heat. Contract awarded Neilson Carlson, care of architect.

Residence (alts.), Riverton, N. J. Architect, J. Fletcher Street, 1120 Locust street, Philadelphia. Owner, Lindley C. Robinson, Riverton, N. J. New sleeping porch, carpentry and mill work, painting and glazing, hardware, plastering. Contract awarded Louis F. Lowden, Riverton, N. J.

Boardwalk, Cedar avenue to Twenty-sixth avenue, Wildwood, N. J., \$123,167.68. Engineer, W. H. Boardman, 426 Walnut street, Philadelphia. Owners, City of Wildwood, Wildwood, N. J. Concrete and wood, 60 feet wide. Contract awarded F. W. Schwiers, Jr., Co., 90 West street, New York.

Manufacturing Building, Freehold, N. J. Owners, A. M. Karagheusian, Inc., on premises. Reinforced concrete and brick, 6 stories, 80x168 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash. Contract awarded William Steele & Son, 219 North Broad street, Philadelphia, who are taking sub-bids.

Miscellaneous Construction News

School, Denton, Caroline County, Md. Architect, Theodore Wells Pietsch, American Building, Baltimore, Md. Owners, Board of Education, Denton, Md. Brick and steel, 2 stories and basement, 134x76 feet, slag roof, maple floors, metal lath, bond, ornamental iron work. Owners taking bids due March 5th.

Junior High School, New Rochelle, N. Y. Architects, Starrett & Van Vleck, 8 West Fortieth street, New York City. Owners, Board of Education, New Rochelle, N. Y. Brick, steel, cast stone, 3 stories and basement, 95x50 feet, wing 68x26 feet, 115x63 feet, 60x72 feet, 161x40 feet, Barrett's Specification roof, wood block, ornamental iron work, floor hardener, bond, rolled steel skylights, cement and maple floors, hollow tile, roof ventilators, waterproofing, hollow metal sash, tile, marble and terrazzo work, metal

lath, soapstone. Low bidders: N. H. Vought, Grand Central Terminal, New York, \$655,773; Mazulo Mezzula, Port Chester, New York, \$667,174.

Residence and Garage, Winston-Salem, N. C. Architects, Charles Barton Keen and Wallace, 338 South Smedley street, Philadelphia. Owner, B. S. Womble, Winston-Salem, N. C. Hollow tile and stucco, 2½ stories, 67x32 feet, garage, 2 stories, 22x25 feet (heating, plumbing, electric, tile and marble work reserved), Ludawici Celadon tile roof, oak and cement floors. Architects taking bids due March 14th.

Proposal

ADVERTISEMENT FOR THE CONSTRUCTION OF ADDITION TO PUBLIC SCHOOL NO. 3, AUDUBON, N. J.

Public notice is hereby given that sealed proposals for furnishing labor and materials to construct and furnish mechanical equipment for the addition to Public School No. 3 for Audubon, N. J., will be received by the chairman of the Property Committee of the Board of Education of Audubon, N. J., at School No. 1, Oak Street and Oakland avenue, Audubon, New Jersey, on Tuesday, March 17th, 1925, at eight o'clock P. M., at which time all proposals submitted will be opened and publicly read.

The work is as follows:

Four additional class rooms and connecting corridor. This building will be constructed of brick walls, concrete slab over corridor, with iron girders and wood joist floor construction with wood roof covered with built-up roofing, and contains approximately 96,664 cu. ft.

The building will be erected on the ground immediately in the rear of the present building which is located on Haviland avenue, Audubon, New Jersey.

Bids will be received for the following items: General Construction, Heating and Ventilating, Plumbing Work, Electrical Work.

Said proposals must be on blank forms provided for that purpose and must be closed in sealed envelopes endorsed "Proposals for Addition to Public School No. 3, Audubon, N. J.," and must state the branch of work for which proposals are submitted.

No bid will be considered unless accompanied by a certified check to the amount of five per cent. of the bid, binding the bidder to execute a contract if awarded to him. The terms of the proposal with surety required are fixed by the specifications, to which reference may be had. The right is served to reject any or all bids submitted, also to waive any informality in the same.

Copies of the drawings and specifications may be seen at the architect's office, and copies will be loaned to bidders by the architect on deposit with him of a certified check to his order for the sum of \$50.00. Upon return of drawings and specifications the check will be returned. These drawings and specifications may be obtained by application to Arnold H. Moses, Architect, Temple Building, Camden, N. J.

Dated February, 1925.

NO BUILDING SHORTAGE

SAYS G. L. MILLER

Practical Real Estate Financier Discusses Subject from a New Angle

Has the building shortage existing since the war been met by the great amount of new building carried forward in increasing volume each year and culminating in a total of more than \$5,000,-

000,000 in new structures erected in 1924? This is the question that all those interested in the building industry are asking today.

Mr. G. L. Miller, president of G. L. Miller & Co., Inc., whose house has financed hundreds of new building projects by first mortgage real estate bonds, who has made a survey of this subject recently, says:

"Every so often we see published tabulations of figures with reference to the extent of the building shortage in the United States, together with forecasts regarding the probable future extent of these shortages. Recently upon two successive days there appeared in two of the leading New York dailies, articles apparently based upon extensive study of building records, but directly at variance with each other."

In the first, it was estimated that the national shortage of building on January 1, 1920 was \$6,806,135,000. According to the method of computation used, this shortage was decreased from year to year, showing an estimated shortage on January 1, 1925, of only \$750,000,000.

The second tabulation showed a cumulative shortage of housing space of 271,000,000 square feet in 1913, and the figures indicated that this shortage was increased every year until 1924 when the total shortage was 1,420,000,000 square feet.

In explanation of these latter figures, it was pointed out that this is incorrect to estimate building shortage or surplus in terms of dollars, since building costs per square foot vary from year to year, and it is actual physical supply and demand which must be considered.

"With this contention most of us will agree," continued Mr. Miller. "But can we agree with the following statement, which I quote from the article referred to:

"In the last three years the country has been spending for new buildings an amount never approached before. But the building shortage instead of being relieved, is indicated by these figures to be growing steadily worse."

"We cannot trust arithmetic alone. The first survey referred to shows no short-

MARBLE TILE
MOSAIC and CERAMICS

Camden Tile Co.

1484 Bradley Avenue

CAMDEN, N. J.

BELL PHONE, CAMDEN 3827 W

age to speak of: the second indicates a worse crisis than ever before. Can we ever ascertain the true facts of the situation? I do not believe it possible. Nor is it of practical importance that we do so," said Mr. Miller.

During the past three years there has been expended for new building in the United States, somewhere between \$14,000,000,000 and \$16,000,000,000, and the year 1924 has seen a larger amount expended for building than any previous year, a sum in excess of \$5,000,000,000.

The important question which now interests builders and those businesses dependent upon the building industry is: "Has the shortage which has admittedly existed since the war, ceased to effect building or when will its impulse dwindle off?"

"Of course, when there is an acute situation with reference to housing conditions, such as existed during the few months prior and immediately following the armistice," said Mr. Miller, "the whole world knows that there is a building and housing shortage. When whole families are being taken care of in armories and public parks, it takes no theorizing to know that a shortage exists.

"However, in times like the present it is more difficult to tell whether there is an actual shortage and to estimate exactly its extent, for the reason that so many other factors enter into the problem.

"Rental levels and construction costs, ease of securing money, general prosperity and high wages,—all these enter into the problem of how many additional buildings can be filled at any given time.

"The factors of supply and demand are always active. There is always demand for better accommodations when they can be secured at the same figure as has been paid for those of inferior quality, and wherever a new building is opened in a locality, it usually results in an exodus from older structures.

"When rental levels are lowered, there is a gradual but constant expansion caused by people moving from small apartments to those with more rooms and thus a more or less constant balance is at all times effected by the operations of the law of supply and demand.

"I see no possibility of any marked reduction in material or labor costs for some time to come," continued Mr. Miller, "neither do I look for any reduction of rentals in the case of well situated buildings properly constructed, according to modern standards.

"In fact, the entire question of shortage concerns us not nearly so much as the actual conditions in a particular locality, and the results which may reasonably be expected from an individual building. In other words, each project must be taken up and considered by it-

self and the probable future course as to rentals and occupancy must be charted with the greatest possible degree of accuracy.

"We have one case in mind where a building financed by us and nearing completion is about 80% rented, whereas another larger and more pretentious building within a few blocks has been finished for several weeks, and is now standing almost totally vacant.

"This does not indicate a question either of shortage or of over-supply of office space. It merely means that under actual present conditions, the factors of location, plan of the building and scale of rentals worked out in one case as though there were a shortage and, in the other, as though there were an over-supply.

"So it goes throughout the entire building field. It is much more the problem of care and good judgment than of either shortage or surplus," said Mr. Miller.

WOODS AND HOW TO USE THEM

The Wood for Interior Finish

Wood for interior finish must always be given proper care at every stage of the work, if the finished results are to be satisfactory. Finishing lumber, when delivered on the job, is a fine manufactured product. It has been skillfully kiln-dried, the surplus moisture has been expelled under such pressure that the wood is not warped, and the surface has been put into proper condition for working into trim and other finish. If such lumber is delivered in wet weather to an unfinished house where the plaster is not yet dry; if it is piled in such a way as to bend and warp the boards; if it is tramped over or given rough usage, then much of the labor done in the factory which has represented such a large part of the cost, is wasted and lost. The laying of the hardwood floor should be absolutely the last piece of work done, so that after it has been waxed or varnished no foot should step into the room until the furniture is brought, when the floor should be carefully protected while that is being put in place.

Woodwork which is to be finished should be smooth, clean and dry before commencing the work. Any scratches or cuts across the grain should be obliterated. Each coat of finish should be sandpapered with fine sandpaper before the succeeding coat is applied. The finish may be left in the gloss or it may be rubbed to a dull finish, and in very fine

it may then be polished. Since the two latter processes require a great deal of expert labor, the manufacturers have prepared products which give a similar finish without the rubbing and polishing and, especially in simpler work, they give excellent results. The most beautiful finish that a piece of wood can have is

that given by constant usage on rubbing with the hand. The finest polish is finished with hand rubbing and only approaches the fine ancient woodwork over which the hands of passing generations have been rubbed.

The finish of a room may be the same wood as the furniture or it may tone with it in an agreeable way. Mahogany furniture may be used with ivory enamel or with some soft toned gray stain. In this way birch, gumwood, or even oak, may be used with mahogany furniture. Oak takes a gray stain particularly well. Birch or gumwood may be given a mahogany stain, but this has the disadvantage of a more or less palpable imitation, and the present tendency is to treat wood in its own manner rather than to give it the semblance of some other wood.

When wood is to be stained that is the first process in the operation. The stain should be applied directly to the surface of the wood, whether the wood is open or close grained.

The same stain will not produce just the same color on all woods. There will be a variation, brought about by the color tone and absorptive quality of the wood. Soft woods absorb more stain than hard, close grained wood, so that the color effects would be darker in tone. Then again hard woods with pronounced grain or makings will take stain in a different manner from woods showing little or no grain. The reason for this is that the stain penetrates more deeply in the open or spongy portions of the wood, while the harder parts of the wood—the grain or markings—are much less absorbent, and consequently appear lighter in color, emphasizing the grain, and changing the color effect.

Either water, oil, or spirit stains can be used for wood staining operations.

Water stains produce bright, transparent color effects, but require careful handling to avoid raising the grain of the wood. If these stains are well rubbed into the wood with a bunch of cheesecloth, the grain of the wood will not be raised as the cloth will absorb the surplus moisture and at the same time make an even color tone. If, however, water stains are applied and allowed to soak into the wood without wiping, the excess moisture will naturally cause the wood to swell and raise the grain.

Spirit stains make brilliant color effects, and strike deeply into the wood. They produce practically the same appearance on the wood as water stains.

Neither the beauty of the grain in the wood nor the color are taken into account in enameled woodwork. The only attempt is to obtain a perfect surface in a beautiful color or tone; a surface which shall be hard enough that it is not easily marred or dented in usage, which yet can be kept immaculately clean.—*Keith's Magazine.*

Reference Directory for Architects, Builders and Owners

ARTESIAN WELLS.

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS AND ARCHITECTS' SUPPLIES.

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

ASPHALT CONSTRUCTION.

Rulon, Ralph V.239 N. 30th St., Phila.

BLUE PRINTS.

Blue Print Shop.....1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

BLUE PRINT PAPER.

Blue Print Shop.....1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS.

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

BRICK.

Cox, Janeway, & Co., Real Estate Trust Bldg., Phila.

BRICK (Face, Common, Paving).

Holloway Corporation....105-107 S. Third St., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS.

Mitchell Bros.2125 Race St., Phila.

BUILDING NEWS.

Daily Building News.....Perry Bldg., Phila.

BUILDERS' SUPPLIES.

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT.

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK.

D'Lauro, John55 E. Mermaid Lane, Phila.

Massiah, Frederick, Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

COLUMNS (Metal).

Pearce Fireproof Co.1911 N. 2nd St., Phila.

COMPOSITION FLOORING.

Penna. Flooring & Woodoleum Mfg. Co.,
34 S. 17th St., Phila.

CONCRETE WORK.

Massiah, Frederick, Juniper and Cypress Sts., Phila.

CONTRACT BONDS.

Patton, Edward W.400 Lincoln Bldg., Phila.

CONTRACTOR'S EQUIPMENT

Lee T. Ward Co.617 Filbert St., Phila.

CORK FLOORING

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

CURTIS WOODWORK.

Gillingham Co.Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS.

Building News Pub. Co.Perry Bldg., Phila.

DAMP-PROOFING.

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger.....829 N. 3rd St., Phila.

Concrete Waterproof Paint Co..829 N. 3rd St., Phila.

Master Builders' Co.,
Room 601, 1524 Chestnut St., Phila.

Truscon Laboratories.....1505 Race St., Phila.

DRAWING MATERIALS.

Robbins, Chas. H., Co.1729 Sansom St., Phila.

Warren-Knight Co.136 N. 12th St., Phila.

Weber, F., Co.125 S. 12th St., Phila.

Weil, J. H., Co.1315 Cherry St., Phila.

ELECTRICAL SUPPLIES.

Cass, Philip, & Co.40 N. 5th St., Phila.

EXCAVATING.

McCarrick Bros.3138 N. 24th St., Phila.

Morrissey Bros.4345 N. 7th St., Phila.

FENCES.

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co.Erie Ave. & "D" St., Phila.

Reisbord, Wolf.....4437-43 Ludlow St., Phila.

FIREPROOFING.

Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLOOR HARDENER.

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Concrete Waterproof Paint Co..829 N. 3rd St., Phila.

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FLOOR PLATES.

Wood, Alan, Iron & Steel Co., Widener Bldg., Phila.

FLUE LINING.

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FURNACES AND RANGES.

Cox, Abram, Stove Co.,
American and Dauphin Sts., Phila.

Fleck Bros.44 N. 5th St., Phila.

Miller, Henry M.46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc.64 N. 2nd St., Phila.

GARAGE HEATERS.

Fleck Bros. Co.50 N. 5th St., Phila.

GAS RANGES.

Abram Cox Stove Co.,
American and Dauphin Sts., Phila.

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Miller, Henry M.46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co.1026 Arch St., Phila.

Thomson, Wm., Inc.64 N. 2nd St., Phila.

HARDWOOD FLOORS.

Wood, L. H.3312 Lancaster Ave., Phila.

HAULING CONTRACTORS.

Dooley, John J.39 S. 19th St., Phila.

McCarrick Bros.3138 N. 24th St., Phila.

Frank A. Stafford.....719 Cherry St., Phila.

HEATING CONTRACTORS.

Bowers Bros. & Co.2015 Sansom St., Phila.

HEATING BOILERS.

Cox, Abram, Stove Co.,
American and Dauphin Sts., Phila.

Fleck Bros. Co.50 N. 5th St., Phila.

HOLLOW METAL WINDOWS.

McFarland-Meade Co.,
70th and Kingsessing Ave., Phila.

Tinney, Walter H., Co.,
63rd and Woodland Ave., Phila.

HOLLOW TILE.

Clausen, Wm. H.27th and Diamond Sts., Phila.

Cox, Janeway, & Co., Real Estate Trust Bldg., Phila.

Ketcham, O. W.121 N. 18th St., Phila.

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HOT WATER STORAGE SYSTEMS

Bryant Heater & Mfg. Co.Bourse Bldg., Phila.

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Insurance Co. of North America,
3rd and Walnut Sts., Phila.

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Philadelphia Fire & Marine Ins. Co.,
1711 Chestnut St., Phila.

IRON AND STEEL BARS AND PLATES.

Lukens, Lewis N.19th and Washington Ave., Phila.

Montgomery Iron & Steel Co.918 W. Berks St., Phila.

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Reisbord, Wolf.....4437-43 Ludlow St., Phila.

Wood, Alan, Iron & Steel Co., Widener Bldg., Phila.

KITCHEN CABINETS.

Housel, J. W., Co.,
S. E. Cor. 21st and Market Sts., Phila.

Philadelphia Gas Range Co.1026 Arch St., Phila.

LEVELS.

Robbins, Chas. H., Co.1729 Sansom St., Phila.

Warren-Knight Co.136 N. 12th St., Phila.

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Weil, J. H., Co.1315 Cherry St., Phila.

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Murlin Mfg. Co.5420 Paschall Ave., Phila.

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1505 N. Mascher St., Phila.

LINOTILE.

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

LUMBER.

Felin, Chas. F., & Co.,
Old York Road, above Butler St., Phila.

Gillingham Co.Norris and Richmond Sts., Phila.

Ketcham, Howard.....3rd and Girard Ave., Phila.

Tague, Jas. E., Co.10th and Columbia Ave., Phila.

MARBLE AND MOSAIC.

Belf Bros. Co.1923 Market St., Phila.

Italian Marble Mosaic Co.433 Spruce St., Phila.

Penna. Tile & Mosaic Co.1637 Wood St., Phila.

Roman Mosaic & Tile Co.435 Green St., Phila.

Wilson, Wm. G.1524 Sansom St., Phila.

MASON BUILDER.

D'Lauro, John55 E. Mermaid Lane, Phila.

MASTIC FLOORING.

Rulon, Ralph V.239 N. 30th St., Phila.

METAL LATH.

Pearce Fireproof Co.1911 N. 2nd St., Phila.

METERS.

Phila. Meter Co.Real Estate Trust Bldg., Phila.

MILLWORK.

Gillingham Co.Norris and Richmond Sts., Phila.

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PORCH ENCLOSURES.

Malla, Thomas.....226 W. Mentor St., Phila.

RADIATOR CABINETS.

Radiator Cabinet Co.Drexel Bldg., Phila.

RANGES.

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American and Dauphin Sts., Phila.

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Philadelphia Gas Range Co.1026 Arch St., Phila.

Thomson, Wm., Inc.64 N. 2nd St., Phila.

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Rulon, Ralph V.239 N. 30th St., Phila.

Warren-Ehret Co.253 S. 15th St., Phila.

ROOFING MATERIALS.

Warren-Ehret Co.253 S. 15th St., Phila.

ROOFING SLATE.

Chapman Slate Co.Bethlehem, Pa.

ROOFING TILE.

Ketcham, O. W.121 N. 18th St., Phila.

SAFETY GUARDS.

Potts, Horace T., & Co.Erie Ave and D St., Phila.

SAND AND GRAVEL.

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Patent Scaffolding Co.2835 Bridge St., Phila.

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Malla, Thomas.....226 W. Mentor St., Phila.

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Clausen, Wm. H.27th and Diamond Sts., Phila.

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McFarland-Meade Co.,
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Tinney, Walter H., Co.,
63rd and Woodland Ave., Phila.

SHEETROCK (Wall Board).

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Bur-Vett Mfg. Co.929 Chestnut St., Phila.

STEEL SASH.

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Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XL, No. 10
March 11, 1925

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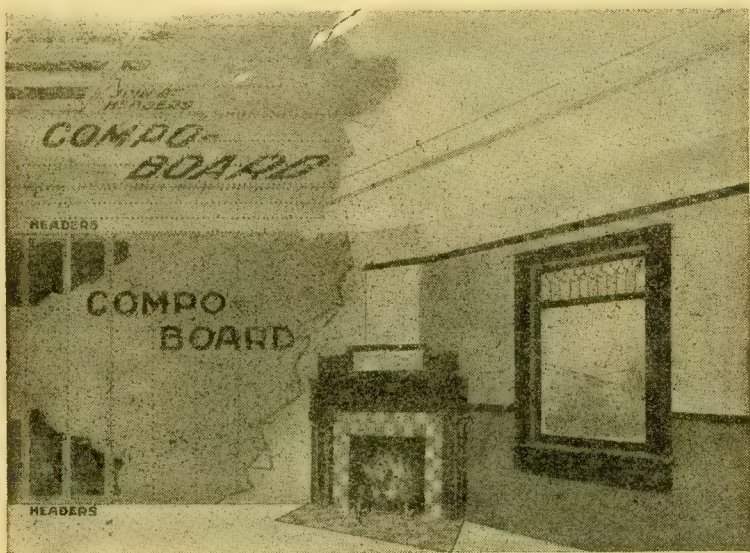
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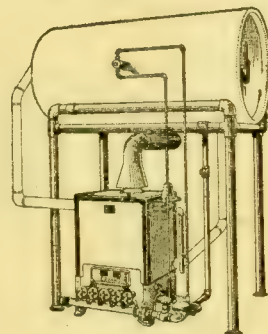
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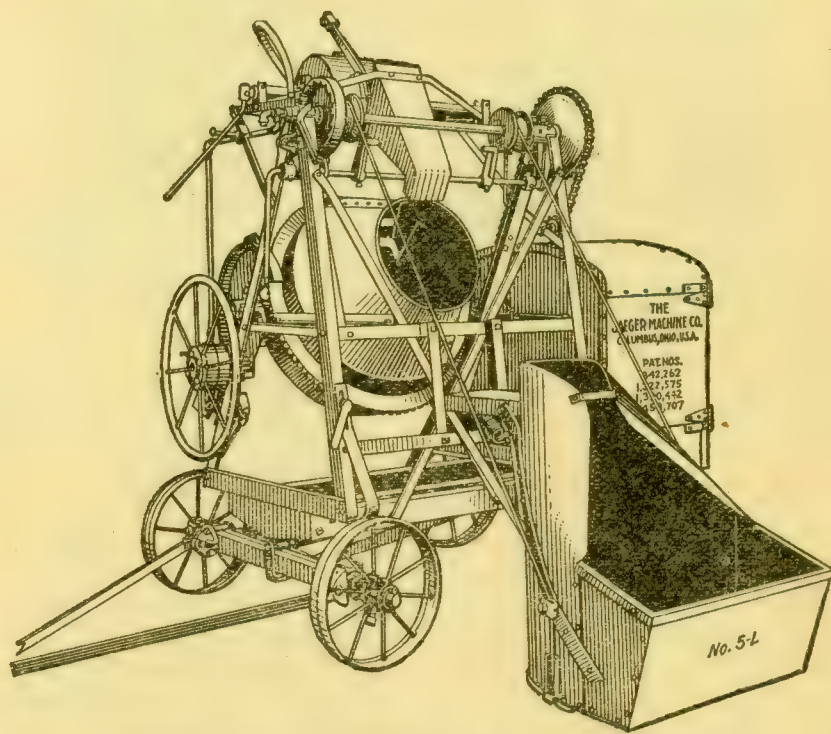
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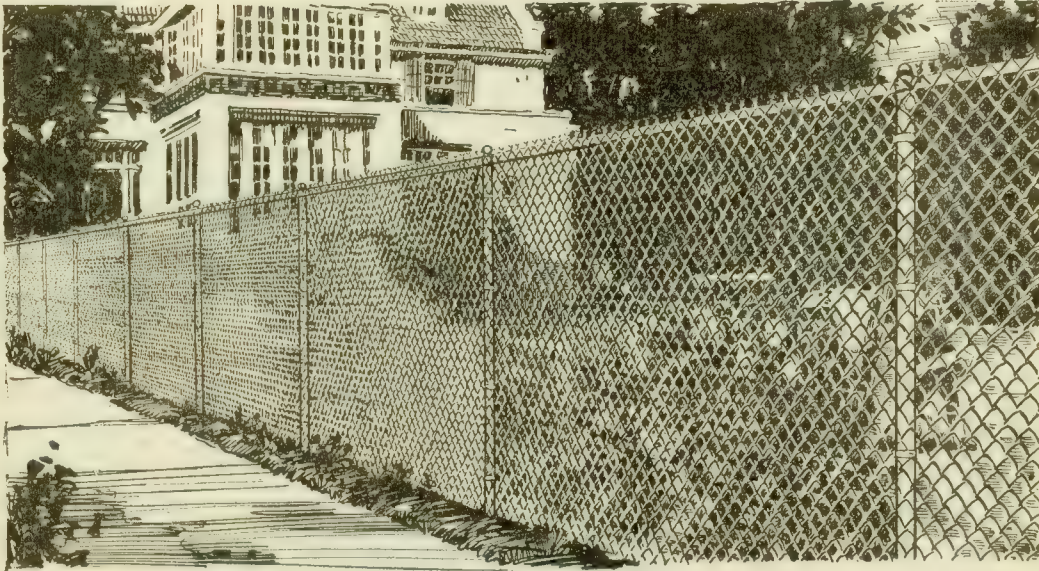
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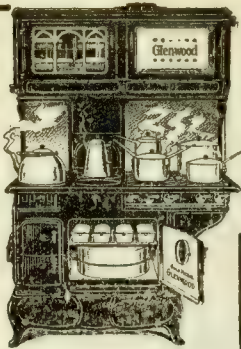
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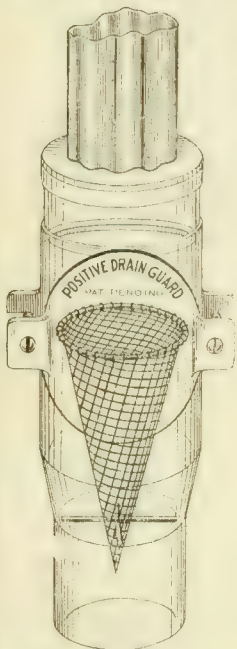
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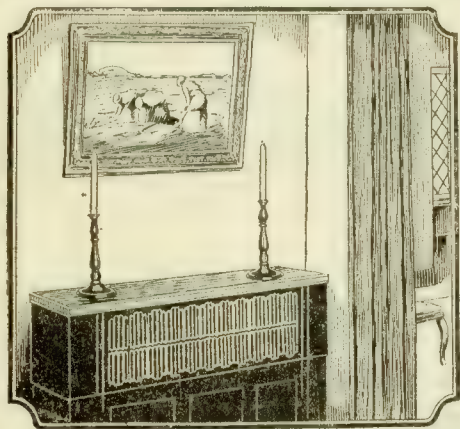
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XL
Number 10

PHILADELPHIA
March 11, 1925

BUILDERS' GUIDE

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Advance Construction News

CONTEMPLATED CONSTRUCTION: ARCHITECTS AND OWNERS: COST LIMIT: LAST DAYS FOR FILING BIDS:

CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED: ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Parochial School, Keystone and Tulip streets, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Leo's Roman Catholic Church, Rev. Hugh J. Bowen, on premises. Brick, stone, concrete, steel, 3 stories, steam heat, electric light, concrete and wood floors, plumbing. Architects taking bids due March 17th.

Residences (10), Walker street, South of Devereaux street, Philadelphia, \$45,600. Architect, private plans. Owner, Charles H. Dunker, Tacony, Philadelphia. Brick, 2 stories, 14x28 feet, 12x13 feet, hot water heat, electric work, slag roof, oak and pine floors. Owner will build.

Residences (2), Stanwood, East of Halsted street, Philadelphia, \$12,000. Architect, private plans. Owner, J. H. Walters, 533 Stanwood street, Philadelphia. Frame, 2 stories, 14x38 feet, hot water heat, electric work, shingle roof. Owner will build.

Residences, Faunce street, East of Glencoe avenue, Philadelphia, \$5,000. Architect, private plans. Owner, T. Skablir, 968 North Lawrence street, Philadelphia. Brick, 2 stories, 16x40 feet, hot air heat, slag roof, oak and pine floors. Permit issued.

Girls' Catholic High School, Forty-fifth and Chestnut streets, Philadelphia. Architects, Hoffman & Henon, Finance Building, Philadelphia. Owners, Girls' Catholic High School, care of D. Cardinal Dougherty, Eighteenth and Race streets, Philadelphia. Stone, brick, steel, concrete, 3 stories. Preliminary plans in progress.

Warehouse, Northwest of Walnut street, West of Fortieth street, Philadelphia. Architect, George S. Kingsley, 109 North Dearborn street, Chicago, Ill. Owners, Atlas Storage Co., W. E. Sweeting, Thirty-seventh and Market streets, Philadelphia. Reinforced concrete,

steel, 8 stories, basement and mezzanine, 60x200 feet, rolled steel sash, elevators, concrete floors, electric light. Plans completed. Owners ready for bids.

Office Building, 1309-11 Walnut street, Philadelphia. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owners, Heymann & Brothers, 215 South Broad street, Philadelphia. Brick, limestone, granite, steel, 15 stories and basement, 230x55 feet, steam heat, electric light, metal lath, tile, marble and terrazzo work, rolled steel and hollow metal sash, rolled steel skylights, kalamein and hollow metal doors, ornamental iron work, wrought iron pipe, sprinklers, oil burning equipment, slag roof, cement floors, hollow tile, elevators, plumbing, metal weather strips, waterproofing and dampproofing, architectural terra cotta. Architect taking bids due March 14th.

Store Building (alts.), Sixty-third and Haverford avenue, Philadelphia. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, C. C. Kirlin, on premises. Stone work, brick work, cement work, structural steel, Lehigh light iron work, metal lath, plastering, tile and marble work, plumbing, painting and glazing, electric work, carpentry and mill work, Johns Mansville asbestos roof, galvanized iron skylights, oak floors. Architect taking bids due March 14th at noon.

Hospital Building, Thirty-ninth and Filbert streets, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Presbyterian Hospital, on premises. Brick, cut stone, steel, 6 stories. Preliminary sketches in progress.

Addition and Alterations to Apartment House and Store, 2400 Germantown avenue. Architects, Refuss & North, 1709 Sansom street, Philadelphia. Owner, Charles H. Sten-

del, care of architect. Brick, 3 stories, heating undecided, electric light, hardwood and composition floors, tile work, wood built sash, terra cotta. Plans will be completed in one week.

Fire House Headquarters Building, 1328 Race street, Philadelphia. Architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Safety, Bureau of Fire, 215 City Hall. Brick, stone, reinforced concrete, steel, 3 stories and basement, 129x107 feet (plumbing, heating, electric, sprinkler separate), John Mansville built-up roof, tile work, cement and oak floors, metal lath, tile and marble work, hollow metal sash, fire and hollow metal doors, bond, ornamental iron work, waterproofing and dampproofing, steel lockers, imitation travertine. Owners taking bids due March 16th.

Residences (19), Roosevelt Boulevard, North of Smylie road, \$165,500. Architect, private plans. Owner, H. Dineriman, 303 East Roosevelt Boulevard, Philadelphia. Brick, hot water heat, hardwood floors, electric light, slag roof, 2 stories, (18) 16x34 feet, (1) 16x55 feet, oak and pine floors. Owner will build.

Gulf Building, 1 story, floor and basement (alts. and add.), Northeast Corner Locust and Sydenham streets, Philadelphia. Architect, George W. Pepper, Jr., Commonwealth Building, Philadelphia. Owners, W. H. Newbold & Sons Co., on premises. Brick, hollow tile, steam heat, electric light, tile and marble work, metal lath, bond, painting and glazing, cement floors, carpentry and mill work, hardware, plumbing, slate work. Architect taking bids due March 14th.

Workshop, Warehouse (add.), Penrose Ferry and Schuylkill road, Philadelphia, \$12,000. Architect, private plans. Owners, Gulf Refining Co., on premises. Iron, 1 story, 50x30 feet.

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Store and Apartment, Frankford avenue and Foulkrod street, Philadelphia. Architects, H. G. Murphy and C. M. Talley, Drexel Building, Philadelphia. Owner, William Freihofer, Twelfth and Indiana avenue, Philadelphia. Brick, steel, concrete, limestone, 4 stories, 185x242 feet, slag roof, oak floors, elevator, vapor heat, electric light, metal lath, tile and marble work, ornamental iron work, glazed tile store front. Architects taking bids due March 17th.

Residences (24), Third street, Spencer street, North Champlost avenue, Philadelphia, \$119,000 total. Architect, private plans. Owner, Carl A. Mayer, 235 West Olney avenue, Philadelphia. Brick, 2 stories, 15x28 feet, 12x10 feet, slag roof, hot water heat, electric work, oak and pine floors. Owner will build.

Residences (48), Wooderest avenue, West of Sixty-fourth street, Philadelphia, \$400,000 total. Architect, private plans. Owners, J. F. Moss Co., Price and Anderson streets, Philadelphia. Brick, 2 stories, 20x35 feet, 16x35 feet, 17x35 feet, 13x15 feet, slag roof, hot water heat, electric light, oak and pine floors. Owners will build.

Auto Sales and Show Room, North side Locust and Sixtieth street, \$40,000. Architect, private plans. Owner, Philip Glassman, 6047 Locust street, Philadelphia. Brick, 2 stories, 72x100 feet, steam heat, electric light, slag roof, cement floors. Owner will build.

Residences (4), Gilham street, West of "J" street, Philadelphia, \$20,000 total. Architect, private plans. Owner, Joseph W. Schorn, 901 Unruh street, Philadelphia. Frame, 3 stories, 14x46 feet, hot water heat, electric work, slag roof, oak and pine floors. Owner will build.

Residences (4), Tenth street, Warnock and Duncannon streets, Philadelphia, \$34,000 total. Architect, private plans. Owner, B. Alramouitz, 4739 North Camac street, Philadelphia. Brick, 2 stories, 16x32 feet, 15x32 feet, 12x9 feet, hot water heat, electric work, oak and pine floors, slag roof. Owner will build.

Garage, 429-35 South Sixty-first street, Philadelphia, \$14,000. Architect, private plans. Owner, I. N. Massey, 5311 Thomas avenue, Philadelphia. Brick, 1 story, 72x100 feet, steam heat, electric work, cement floors, slag roof, steel sash. Owner will build.

Residence (alts. and add.), 281 West Harvey street, Philadelphia, \$4,000. Owner, D. C. Rubel, 121 North Broad street, Philadelphia. Brick, 1 story, 12x15 feet, oak and pine floors, slag roof. Owner will build.

Store and Apartment (alts. and add.), Frankford, Philadelphia, \$12,000. Architect, S. D. Milner, 1117 Foulkrod street, Philadelphia. Owner, name withheld. Brick, 2 stories, 20x40 feet, add general interior renovations to present building, hot water heat, electric

light, slag roof, metal bulks. Plans in progress.

Residences (20), South side Haworth street, Horrocks and Large, \$6,000 each. Architect, private plans. Owner, John B. Connor, 602 East Indiana avenue, Philadelphia. Brick, 2 stories, 16x44 feet, hot water heat, electric work, slag roof, oak and pine floors. Owner will build.

Relief Holder, North side Passyunk avenue, East of Schuylkill River, \$5,000. Architect, private plans. Owner, United States Improvement Co., Broad and Arch streets, Philadelphia. Concrete foundations, 110 feet diameter. Owners will build.

Residences (30), 5202-5230-5201-5227 Church road, Philadelphia. Architect, private plans. Owners, John F. McGinty & Son, 6514 Lebanon avenue, Philadelphia. Brick, hot water heat, electric light, oak and pine floors, slag roof, 2 stories, 20x32 feet, 20x48 feet, garages. Owners will build.

Garage, 5922 State road, Philadelphia, \$2,000. Owner, J. Sabato, on premises. Brick, 1 story, 45x18 feet, cement floors, slag roof. Owner will build.

Residences and Garages (6), East side Sixth street, North of Sixty-sixth avenue, \$31,500. Architect, private plans. Owners, Schechter & Levitt, 603 Sixty-sixth avenue, Philadelphia. Brick, 2 stories, 16x39 feet, 16x43 feet, hardwood, pine and cement floors, hot water heat, electric light. Owners will build.

Garage, 5122-24 Walnut street, Philadelphia, \$20,000. Architect, B. Bowen, Atlantic City, N. J. Owner, William G. Tolliver, 5211 Locust street, Philadelphia. Brick, 2 stories, 38x95 feet, 57x65 feet, slag roof, cement floors, electric light. Owner will build.

Garage, 140 West Highland avenue, Philadelphia, \$15,000. Architect, private plans. Owner, E. C. Durell, 1713 North Twenty-fourth street, Philadelphia. Brick, 1 story, 60x200 feet, slag roof, cement floors, electric light. Owner will build.

Apartment (alts. and add.), 1732 Frankford avenue, Philadelphia, \$8,000. Architect, private plans. Owner, Harry Rose, 1778 Frankford avenue, Philadelphia. Brick, 3 stories, 14x17 feet, 3 stories, 24x58 feet, general alterations. Owner will build.

Boiler House, Twenty-first and Oregon avenue, Philadelphia. Architect, private plans. Owners, United States Government, Interior Department, Twenty-first and Oregon avenue, Philadelphia. Owners taking bids due March 16th. (Note extension of time.)

Store and Warehouse, 5501 Market street, Philadelphia. Architect engineer, M. M. Boonin, Eighth and Porter streets, Philadelphia. Owner, Charles I. Podger, 5500 Market street, Philadelphia. Owner taking bids.

Residences (6), Pratt, East of Ditman street, Philadelphia, \$25,500. Architect, private plans. Owner, John F. Kazmlezech, 4827

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Store, Work Shop and (2) Apartments, 3710 Spruce street, Philadelphia. Architect, Clarence L. Caspary, 1510 Chestnut street, Philadelphia. Owner, David A. Kresge, on premises. Brick, 3 stories, mezzanine and basement, 30x75 feet 9 inches, slag roof, composition, pine and hardwood floors, mill work, cement work, structural steel, plumbing, plastering, metal ceilings, painting, copper bulks, fire escapes, electric light, steam heat. Architect taking bids due as soon as possible.

Alterations, 804-08 Sansom street, Philadelphia, \$12,000. Architect, private plans. Owner, W. H. Godfrey, 1825 Market street, Philadelphia. Brick, elevator shafts (2). Owner will build.

Residence (alts. and add. to Store and Stable), 6357 Lancaster avenue. Architect, P. S. Tyre, 1509 Arch street, Philadelphia. Owners, Hengel Brothers, 2095 North Sixty-third street, Philadelphia. Plans in progress. Too early for details.

Saw Mill and Steam Chamber, Tacony, Philadelphia. Architects, Bigelow, Kent, Willard & Co., Park Square Building, Boston, Mass. Owners, Henry Disston & Son, Inc., Tacony, Philadelphia. Asbestos protected metal steel, brick, 1 story and basement, 75x43 feet, wing 43x15 feet, Barrett slag roof, concrete and maple floors, hollow tile, rolled steel sash. Architects taking bids due March 13th.

Apartment Houses (number not determined), Southeast Corner Forty-third and Walnut. Architects, Stetler & Deysher, 1015 Chestnut street, Philadelphia. Owner, Louis H. Lifter, 1015 Chestnut street, Philadelphia. Preliminary sketches in progress.

Residences (6), Comly street, West of Edmunds street, Philadelphia, \$4,000 each. Architect, private plans. Owner, Roy H. Lippincott, 3117 Disston street, Philadelphia. Brick, 2 stories, 15x25 feet, 12x12 feet, hot water heat, electric work, slag roof, oak and pine floors. Owner will build.

Garage, 215 East Penn street, Philadelphia, \$30,000. Architect, private plans. Owner, B. W. Glover, 6050 Girard avenue, Philadelphia. Brick, 1 story, irregular shape, slag roof, cement floors, electric light. Owner will build.

Garages (2), North side Willard street, West of Twenty-sixth street, \$15,000 each. Architect, private plans. Owner, B. W. Glover, 6050 Girard avenue, Philadelphia. Brick, 1 story, 147x34 feet, slag roof, cement floors, electric light. Owner will build.

Fire Station, 316 Florist street, Philadelphia. Architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Bureau of City Property, Department of Public Safety, City Hall. Low bidders: Conneen Const. Co., 2315 Walnut street, Philadelphia, \$26,899. Plumb-

ing, Fred Wackenhut, 2416 Frankford avenue, Philadelphia, \$1,180. Heating, Fred Wackenhut, 2416 Frankford avenue, \$1,107. Electric, E. V. Goldhahn, 4335 Chestnut street, Philadelphia, \$879.

Supplies, Philadelphia. Purchasing agent, E. J. Lafferty, 312 City Hall. Owners taking bids due March 9th at noon, 392 City Hall. Seeds, fertilizer, Portland cement, paving and gravel, plug wrenches and reducers, hose nozzles, inlet draggs and hooks, perforated brass plates.

Garage and Shop, Sixty-first and Hazel avenue, Philadelphia, \$35,000. Owner, B. W. Glover, 6050 Girard avenue, Philadelphia. Brick, 1 story, garage 91x100 feet, shop 29x110 feet, slag roof, cement floors. Owner will build.

Residences (10), Third street, North of Lindley avenue, \$5,000 each. Owner, B. W. Glover, 6050 Girard avenue, Philadelphia. Brick, 2 stories, 14x25 feet, 11x12 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Schools, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Low bidders: Trade School, Thirteenth, Brandywine and Green streets, McCloskey Co., 160 Thompson street, Philadelphia, \$833,814; Sinclair & Griggs, Medical Arts Building, \$861,500. Plumbing, Bulman Brothers, Fifth and Cumberland streets, \$32,986. Heating, Mellon Co., 4415 Ludlow street, Philadelphia, \$77,977. Ventilating, S. Faith & Son, 2427 Pennsylvania avenue, Philadelphia, \$6,274. Electric, Walker-Kepler, 531 Chestnut street, Philadelphia, \$67,975. Northeast High School, low bidder: Kaufman Const. Co., Pennsylvania Building, Philadelphia, \$460; Mitchell Brothers, 2125 Race street, Philadelphia, \$497. Finletter School: E. F. Goldhahn, 4335 Chestnut Street, \$1,018. Southern High School, William Langhorne, 10 South Eighteenth street, Philadelphia, \$987; Mitchell Brothers, 2125 Race street, Philadelphia, \$989.

Residences, Bristol pike near Frankford, Philadelphia. Architects, H. Rex Stackhouse and W. W. Donohue, 1120 Locust street, Philadelphia. Owner, name withheld. Hollow tile stucco, 2½ stories, 55x30 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Residences (51), Twenty-seventh and Pierce streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, name withheld. Stone, brick, stucco, 2 stories, 16x36 feet, 16x42 feet, slag, tin, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans in progress.

Sunday School, Abington, Pa. Architects, Druckenmiller & Williams, 1537 Chestnut street, Philadelphia. Owners, Abington Presbyterian Church, Abington, Pa. Stone, 1 story, basement and balcony, 53x103 feet, slate roof, electric lights. Plans in progress.

Residence, 6310 North Fairhill street, Philadelphia, \$9,000. Architect, private plans. Owner, A. W. Spencer, 8136 Cadwallader avenue, Elkins Park, Pa. Stone, 2 stories, 26x38 feet, 11x38 feet, hot water heat, electric light, oak and pine floors, slag roof, garage, stone, 17x19 feet. Owner will build.

Residence, 4614 Paschall avenue, Philadelphia, \$7,000. Architect, private plans. Owner, S. Mazzeo, 4616 Paschall avenue, Philadelphia. Brick, 2 stories, 18x52 feet, hot air heat, electric work, slag roof, pine floors. Owner will build.

Residence, 300 Shurs lane, Philadelphia, \$5,000. Architect, private plans. Owner, Joseph Decker, 4241 Main street, Philadelphia. Brick, 2 stories, 16x40 feet, 15x16 feet, hot water heat, electric light, hardwood and pine floors. Owner will build.

Residences (2), North side Bartram avenue, East of Eighty-sixth street, \$4,000 each. Architect, private plans. Owner, Robert R. Heath, 3217 South Eighty-seventh street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 40 feet, hot air heat, electric light. Owner will build.

Addition, 1037 Penn street, Philadelphia, \$3,000. Architect, private plans. Owners, Pennsylvania Sugar Co., on premises. Brick, 1 story, 49x27 feet, slag roof, cement floors. Owners will build.

Aldine Store and Garage Building, 2027-39 Sansom street, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Maurice and Charles Rose, North American Building, Philadelphia. Concrete, brick, stone, limestone, steel, terra cotta, 4 stories and basement, 127 feet 10 inches x 115 feet, slag roof, concrete floors and ramps, passenger elevator, plumbing, tile work, rolled steel sash, steam heat, electric light. Stores (6). Rose Const. Co., North American Building, Philadelphia, will be ready for sub-bids in about three weeks.

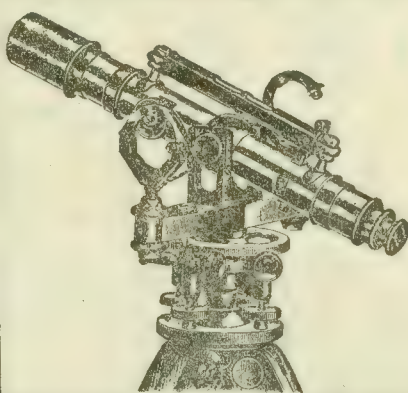
Residences (46), 2000 block, Anchor street, \$3,200 each. **Residences (46)**, 2000 block, Carver street, Philadelphia, \$3,200 each. **Residences (38)**, Warnock street, North of Bigler street, Philadelphia, \$3,200 each. **Residences (37)**, Alder street, North of Bigler street, Philadelphia, \$3,200 each. **Residences (4)**, Bigler, Warnock, Alder streets, Philadelphia, \$4,200 each. Architect, private plans. Owner, Burton C. Simon, Twentieth and Passyunk avenue, Philadelphia. Brick, 2 stories, 16x38 feet, 14x31 feet, 13x31 feet, 14x31 feet,

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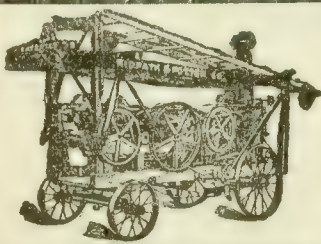
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7x10 feet, hot water heat, electric light, slag roof, oak and pine floors. Owner will build.

Residences (26), 5601-51 North Warnock street, Philadelphia, \$133,000. Architect, private plans. Owner, Charles A. Mahon, 5640 North Fifth street, Philadelphia. Brick, 2 stories, 16x38 feet, 16x31 feet, 12x7 feet, (1) 3 stories, 20x45 feet, 5x45 feet, hot water heat, electric work, oak and pine floors. Owner will build.

Residences (19), South side Nedro avenue, East of Second street, Philadelphia, \$87,500. Architect, private plans. Owner, Joseph Sheperla, 1752 Wagner avenue, Philadelphia. Brick, hot water heat, electric work, slag roof, oak and pine floors, 2 stories, (1) 16x46 feet, (18) 15x28 feet, 12x10 feet. Owner will build.

Garage, 3434 Frankford avenue, Philadelphia, \$38,000. Architect, private plans. Owner, A. Leibowitz, 4045 Baltimore avenue, Philadelphia. Brick, 1 story, 18,000 square feet, hot water heat, cement floors, slag roof, electric work, steel sash. Owner will build.

Residences (4), 401 West Coulter street, Philadelphia, \$10,900 total. **Residence**, 5402 Morris street, Philadelphia, \$5,900. Architect, private plans. Owner, Paul Trimboli, 2713 South Tenth street, Philadelphia. Brick, 2 stories, 34x16 feet, 16x32 feet, 16x30 feet, 30x16 feet, slag roof, hot water heat, electric work, oak and pine floors. Owner will build.

Factory, 5051-61 Lancaster avenue, Philadelphia. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owners, Minter Brothers, on premises. Brick, reinforced concrete, cut stone, 3 stories and basement, 146x74 feet (plumbing, heating, electric, elevator, sprinkler reserved), slag roof, cement floors, rolled steel sash, galvanized iron skylights, rolled steel and kalamein doors, bond, ornamental iron work, architectural terra cotta, cork insulation. Architect taking bids due March 16th at noon.

Residence, Scottford road, Germantown, Philadelphia. Architect, Edmund B. Gilchrist, 1618 Latimer street, Philadelphia. Owner, Herbert C. Morris, 114 North Eleventh street, Philadelphia. Stone, 2½ stories, 102x37 feet, shingle roof, oak and pine floors, hot water heat, electric light, tile work, flagstone. Architect taking bids due March 20th.

Residence, Cinaminson and Pechin streets, Philadelphia, \$6,500. Architect, private plans. Owner, Walter F. Kenny, 4354 Mitchell street, Philadelphia. Brick, 2 stories, 16x16 feet, 24x14 feet, oak and pine floors, electric light, hot water heat. Owner will build.

Residences (7), Botanic avenue, East of Eighty-fourth street, Philadelphia, \$26,600 total. Architect, private plans. Owner, William Greenman, Eighty-third and Brewster streets,

Philadelphia. Brick, 2 stories, 16x30 feet, slag roof, hot water heat, electric light, oak and pine floors. Owner will build.

Garage, Show Room and Stores (10), Southwest Corner Thirty-fourth and Haverford avenue. Architect, Abraham Levy, Real Estate Trust Building, Philadelphia. Owners, Corner Store Corp., care of architect. Brick, steel, 1 story, slag roof, pine and cement floors, plumbing, steam heat, electric light, metal bulks. Preliminary sketches in progress.

Office Building, North side Lancaster avenue, East of Sixty-third street, Philadelphia. Architects, Druckenmiller & Williams, 1537 Chestnut street, Philadelphia. Owner, LeRoy B. Worrell, 6006 Market street, Philadelphia. Brick, limestone, 2 stories, 20x60 feet, slag roof, electric light. Plans in progress.

Residence, Coulter street and Henry road, Queen Lane Manor, Philadelphia. Architect, Edward F. Hoffman, Jr., 315 South Fifteenth street, Philadelphia. Owner, J. B. Kelly, 2315 Walnut street, Philadelphia. Brick, 2½ stories, size of lot 200x200 feet, slate roof, hardwood floors, electric light, tile and marble work. Owner will build.

Sales and Service Station, 5828-34 Market street through to Ludlow. Architect, J. S. Fuller, 5438 Locust street, Philadelphia. Owner, M. Herkewitz, 425 South Fiftieth street, Philadelphia. Reinforced concrete, 2 stories, 60x214 feet 6 inches, gypsum and slag roof, concrete floors and ramps, steam heat, electric light, rolled steel sash, oil burning equipment, hollow metal skylights, metal bulks, structural steel, ornamental plaster, plate glass, limestone trim. Owner taking bids due as soon as possible.

Residences (98), Wheeler, Reedland, Sixty-fifth street, Philadelphia, \$492,000 total. Architect, private plans. Owners, Shapiro & Reed, 1530 South Fifty-seventh street, Philadelphia. Brick, 2 stories, 16x30 feet, 16x34 feet, 14x26 feet, oak and pine floors, hot water heat, electric light, slag roof, hot water heat. Owners will build.

Residences (33), Cobb's Creek Parkway, Fifty-ninth street, Warrington avenue, \$192,500 total. Architect, private plans. Owners, Morrison & Gitman, 636 Ritner street, Philadelphia. Brick, 3 stories and 2 stories, 19x60 feet, 19x52 feet, 17x53 feet, 16x36 feet, 13x17 feet, garages, hot water heat, electric light, slag roof, oak and pine floors, tile work. Owners will build.

Residences (3), Fifty-second and Thompson streets, Philadelphia, \$44,000 total. Architect, private plans. Owner, Frank Kaiser, 1517 South Sixth street, Philadelphia. Brick, 3 stories, 17x50 feet, 17x20 feet, 14x23 feet, hot water heat, slag roof, oak and pine floors, electric light. Owner will build.

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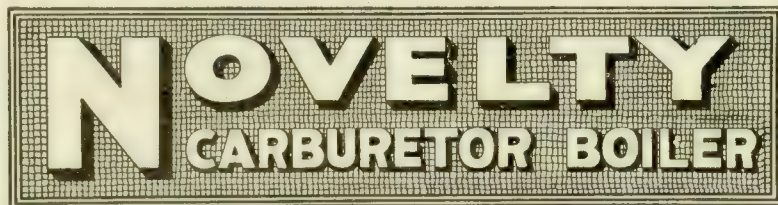
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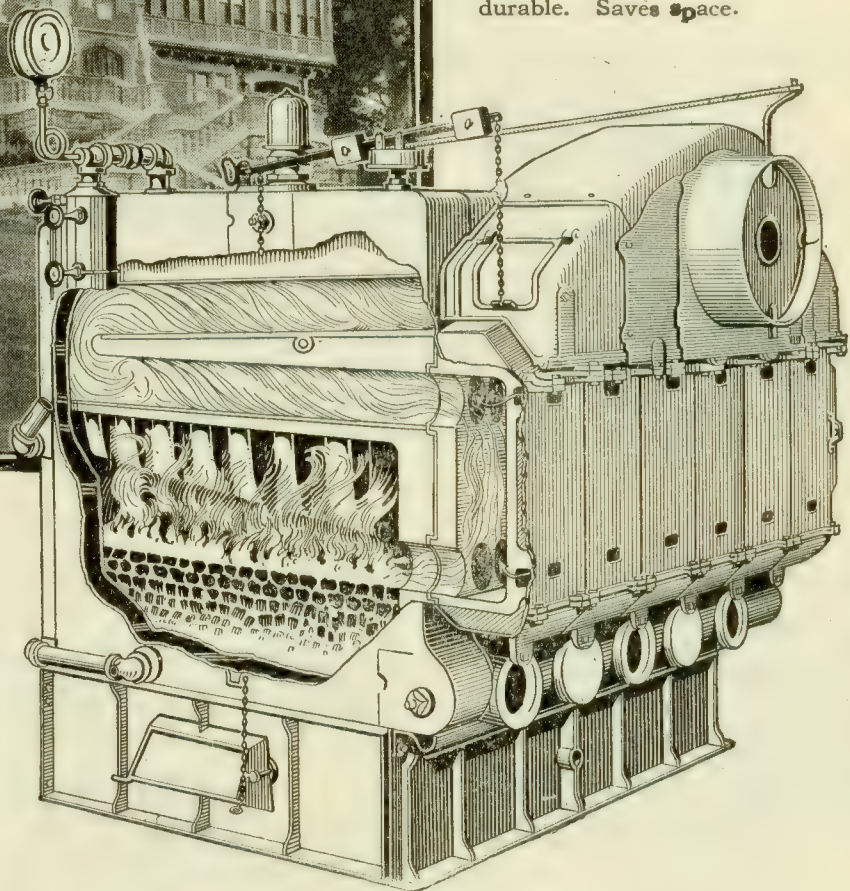


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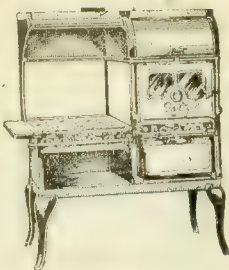
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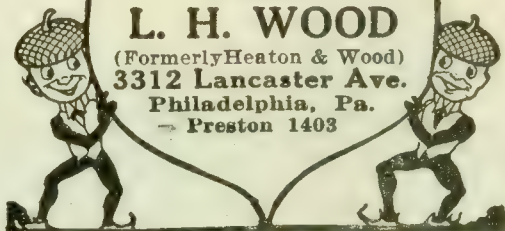
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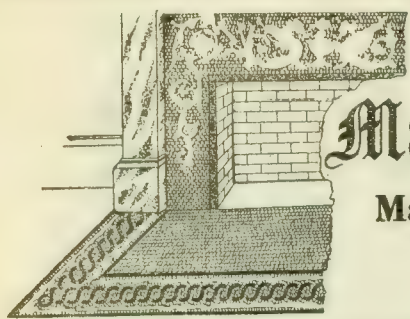
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Miscellaneous Work, Philadelphia. Owners, Bureau of Highways, Department of Public Works, Philadelphia. Low bidders on bids due March 6th. Grading—Ashville street, Craig to Rowland; Curtis Brothers, State road, Philadelphia, \$18,995.80. Boyer street, Montana to Belfield; J. N. Mitchell, 4 South Farragut street, Philadelphia, \$5,484.36. Diamond street, Fifty-second to Lebanon; H. Koch, care of owner, \$3,097.44. Lippincott street, Thirty-second to Thirty-third; Dewees Brothers, 1974 Spencer street, Philadelphia, \$19,707.32. Wellesley road, Emlen to Jefferson; Dewees Brothers, 1974 Spencer street, Philadelphia, \$1,975.60. Dicks avenue, Sixty-second to Sixty-fourth street, paving; Eastern Paving Co., Colonial Trust Building, Philadelphia, \$17,210.21. Lawrence, Mentor street to Roosevelt Boulevard, Philadelphia; Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$2,760.75. Wagner avenue, from Tabor road to Olney avenue; Eastern Paving Co., Colonial Trust Building, \$6,016.91. Sixteenth street, Olney avenue to Orange street, Philadelphia; Eastern Paving Co., Colonial Trust Building, \$15,228.75. Thirty-second street, Clearfield to Allegheny avenue; Mack Paving Co., Nicetown lane and C

street, Philadelphia, \$7,539.92. Country road improvements, Eighty-third to Eighty-fourth; fourth; Allen J. Henderson, care of owner, \$3,647.00. Repaving, Baltimore avenue, Forty-fifth to Forty-ninth; Barber Paving Co., Thirtieth and Race streets, Philadelphia, \$55,368.37. Dudley, Fourth to Fifth street; Barber Paving Co., Thirtieth and Race streets, \$22,235.43. Market, Fifteenth to East side Schuylkill River Bridge; Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$122,637.60. Wood, W. H. L. Nineteenth to Apartment 29 feet East of E. H. L. Twentieth; Barber Paving Co., Thirtieth and Race streets, Philadelphia, \$3,879.30. Second street, Diamond to N. H. L. Lehigh avenue; Aechoine & Canuso, 804 South Twelfth street, \$58,411.75. Twelfth street, Walnut to South, Municipal Pav.; 632 Kater street, Philadelphia, \$28,582.45. Thirteenth street, Lehigh to Glenwood; Fish-Rutherford, 2313 Walnut street, \$55,505.90. Fifteenth street, South to Catherine; Eastern Paving Co., Colonial Trust Building, \$46,333.00. Twenty-first, Market to Arch; Union Paving Co., Thirtieth and Locust streets, \$11,042.10. Market Street Bridge, No. 8, M. & J. B. McHugh, 892 North Markoe street, \$27,340.

ment, 53x99 feet, slag roof, maple floors, roof ventilators, waterproofing and dampproofing, terra cotta, ornamental iron work, kalamein doors, galvanized iron skylights, tile work, elevator doors, metal bulks. Contract awarded Murphy-Quigley Co., 1524 Sansom street, Philadelphia, but not yet signed.

Changing Stable into Residence, Elkins Park, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Joseph E. Widener, Elkins Park, Pa. Bond, stone, cut stone, brick work, cement floors, concrete work, steel and iron work, painting and glazing, hardware, hot water heat, plumbing, slate roof, new copper roof, pine floors. Contract awarded F. L. Hoover & Son, 1023 Cherry street, Philadelphia.

Warehouse, Phil-Ellena street, West of Chew street, Philadelphia, \$10,000. Architect, private plans. Owners, William Armstrong & Son, on premises. Iron, 1 story, 66x100 feet. Contract awarded Truseon Steel Co., 1505 Race street, Philadelphia.

Garage, West side Fifth street, South of Montgomery avenue, Philadelphia, \$9,500. Architect, private plans. Owner, Robert McNeeley, 1732 Randolph street, Philadelphia. Brick, 1 story, 112x18 feet, slag roof, cement floors. Garage, 1 story, 76x18 feet, \$6,500. Contract awarded Roydhouse-Arey Co., Fidelity Building, Philadelphia.

Residence, Lawnton street, North of Parker avenue, Philadelphia, \$7,500. Architect, private plans. Owner, Charles Whitaker, 4658 Sheldon street, Philadelphia. Frame, 3 stories, 24x11 feet, 28x24 feet, hot water heat, electric work, oak and pine floors, shingle roof. Contract awarded Thomas Struck, Glendora, N. J.

Greenhouse, East Front street, South Wingohocking street, Philadelphia, \$5,000. Architect, private plans. Owner, M. D. Elwell, 110 East Wingohocking street, Philadelphia. Concrete, iron, glass work, 1 story, 40x102 feet. Contract awarded John Lauro, 4927 North Lawrence street, Philadelphia.

Residence and Garage (alts.), 1821 Bainbridge street, Philadelphia, \$4,500. Architect, private plans. Owner, G. T. Allmond, 734 South Seventeenth street, Philadelphia. General interior alterations. Contract awarded W. R. Waymon, 741 South Chadwick street, Philadelphia.

Dye House (alts.), West side Belgrade, South of Auburn street, Philadelphia, \$4,500. Architect, private plans. Owners, Belgrade Dye Works, on premises. General interior alterations. Contract awarded Harry Brocklehurst, 512 West Norris street, Philadelphia.

Apartment House (alts.), Fifth and Tabor road, Philadelphia, \$2,000. Owner, J. Preis, Fairhill and Chew streets, Philadelphia. Gen-

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Garage, Bingham street, North of Wyoming avenue, Philadelphia, \$7,700. Architect, private plans. Owner, Walter J. Lohr, 3920 North Marshall street, Philadelphia. Brick, 1 story, 18x11 feet, 49x16 feet, cement floors, slag roof. Contract awarded Wilbur T. Chapman, 1805 West Venango street, Philadelphia.

Store and Storage, 1638-42 Ludlow street, Philadelphia, \$20,000. Architect, private plans. Owner, H. F. Horan, 569 Bourse Building, Philadelphia. Brick, 2 stories, 40x105 feet, steam heat, electric light, slag roof, cement floors. Contract awarded L. Swerloff, 228 South Fifty-ninth street, Philadelphia.

Garage, Mascher and Glenwood avenue, Philadelphia, \$15,500. Architect, private plans. Owner, Morris Gernerty, 944 North Forty-second street, Philadelphia. Brick, 1 story, 77x52 feet, 108x37 feet, electric work, cement work, slag roof. Contract awarded S. Rubin, 324 Dickinson street, Philadelphia.

Residence and Store, 4804 North Fifth street, Philadelphia, \$2,000. Owner, Charles Hampel, on premises. Brick, 1 story, 15x15 feet, electric work, pine floors, slag roof. Contract awarded Perry T. McCluskey, 419 Luray street, Philadelphia.

Office Building, Delaware avenue and South street, Philadelphia. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owner, Michael Barbrus, care of architect. Brick, cut stone, steel, 4 stories and base-

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eral interior alterations. Contract awarded C. Townsend, 5512 North Fairhill street.

Building (alts. and add.), Northeast Corner Thirty-third and York streets, \$7,200. Architect, private plans. Owner, A. Landy, 3143 York street, Philadelphia. Brick, 1 story, 16x12 feet, general alterations. Contract awarded to S. Sagarus, 4914 Parkside avenue, Philadelphia.

Manufacturing Building (add.), 5411 North Water street, Philadelphia, \$13,000. Architect, private plans. Owner, C. W. Jennerey, on premises. Brick, 1 story, 39x64 feet, 35x48 feet, plank floors, slag roof. Contract awarded Walt L. Bushnell, 1727 Vine street, Philadelphia.

Residence, West side Hasbrook avenue, North of Cheltenham avenue, Philadelphia, \$4,500. Architect, private plans. Owner, Francis Emery, 5725 Rising Sun avenue, Philadelphia. Brick, 2 stories, 16x40 feet, hot water heat, electric work, slag roof, oak and pine floors. Contract awarded Harry Glaser, 1239 Cottman street, Philadelphia.

General Office (alts.), Marshall and Lehigh avenue, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Hardwick & Magee, on premises. Bond, brick work, cut stone, precast stone, concrete work, steel, iron work, metal lath, plastering, dampproofing, tile and marble work, hardware, Stedman floors, painting and glazing (plumbing, heating and electric, sprinkler system reserved). Contract awarded Ketcham & McQuade, 1029 Brown street, Philadelphia.

Residence, Allen's lane, East of McCallum street, Philadelphia, \$21,000. Architects, Walker & Carswell, 1012 Chestnut street, Philadelphia. Owner, P. D. Gaskill, Land Title Building, Philadelphia. Stone, 3 stories, 44x25 feet, 19x5 feet, electric work, hot water heat, oak and pine floors, slate roof, tile work. Contract awarded Ralph C. Borthwick, 6511 North Woodstock street, Philadelphia.

Store and Loft Building, 5510 and 5512 Lancaster avenue, Philadelphia, \$10,000. Architect, private plans. Owner, Edward M. Flood, 4626 Lancaster avenue, Philadelphia. Brick, 2 stories, irregular, slag roof, pine floors, steam heat, electric light, metal lath. Contract awarded Hood & Gross, 1613 Chestnut street, Philadelphia.

Store and Office Building, Southwest Corner Seventeenth and Walnut streets, Philadelphia. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owners, Seventeenth and Walnut Streets Corp., care of architect. Brick, steel, limestone, granite, 12 stories and basement, 170x40 feet (plumbing, heating, sprinklers reserved), slag roof.

cement floors, elevators, metal weather strip, dampproofing, architectural terra cotta, ornamental iron work, iron stairs, bond, kalamein and hollow metal doors, rolled steel sash, marble and terrazzo work, metal lath, electric light, John Mansville insulated ceiling, metal toilet partitions. Contract awarded Roberts & Roller, 1904 Sansom street, Philadelphia.

Apartment House, Lincoln Drive and Johnson street, Philadelphia, \$1,800,000. Architects, Sugarman, Hess & Berger, Bankers' Trust Building, Philadelphia. Owners, Lincoln Drive Apartment Corp., care of L. H. Cahhan & Son, Bankers' Trust Building, Philadelphia. Brick, steel, limestone, 14 stories and basement, 63x334 feet, slag roof, cement and oak floors, elevators, roof ventilators, steam heat, electric light, tile work. Contract awarded Longacre Const. Co., of New York, who will be ready for sub-bids in a week at the office of owners.

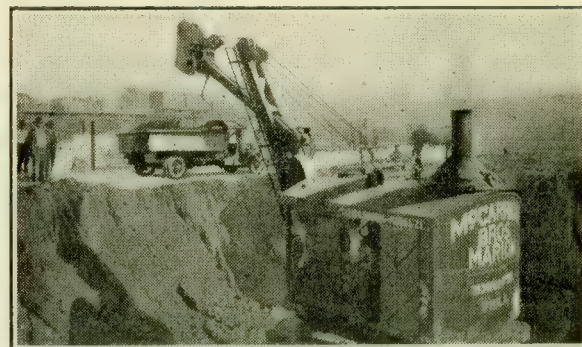
Club House (alts. and add.), 1319 Locust street, Philadelphia. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owners, Poor Richard Club, James Wood, 238 South Camac street, Philadelphia. Brick work, cut stone, cement block, cement and concrete, steel and iron work, plastering, carpentry and mill work, painting and glazing, tile and marble work, hardware, patching tile roof, asbestos roofing, galvanized iron skylights, marbeloid floors, cork composition floors, terrazzo floors, kalamein doors, resetting dumb waiters. Contract awarded R. C. Ballinger Co., 925 Walnut street, Philadelphia, but not yet signed.

Alterations, 3938 Market street, Philadelphia, \$4,500. Architect, private plans. Owner, C. R. Sinnott, on premises. Brick, elevator shaft. Contract awarded J. J. Murphy & Son, 3644 Market street, Philadelphia.

Alterations, 619-25 South Broad street, Philadelphia, \$3,600. Architect, private plans. Owners, Samuel Brothers, 624 South Broad street, Philadelphia. General interior alterations. Contract awarded Henry Johnson, 3412 North Ninth street, Philadelphia.

Manufacturing Building, North side Venango street, between Key and Ella streets, Philadelphia, \$20,000. Architect, private plans. Owner, John Kennedy, Jr., 406 South Van Pelt street, Philadelphia. Brick, 1 story, 60x176 feet, cement floors, steam heat, electric light, slag roof. Contract awarded Joseph K. Long, 1619 North Robinson street, Philadelphia.

Apartment House, 607 North Eighteenth street, Philadelphia, \$6,000. Architect, private plans. Owner, James Maguire, on premises. Carpentry and mill work, painting and



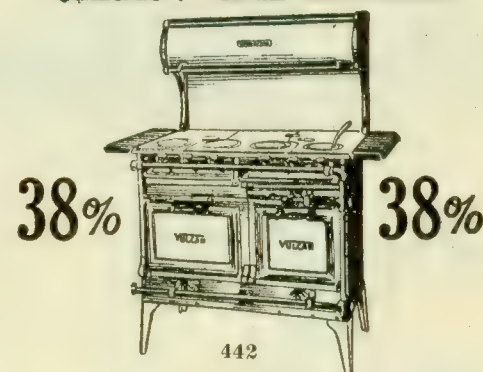
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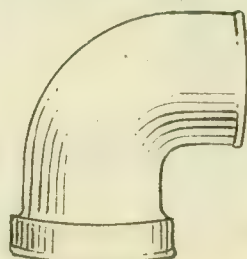
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glazing, plastering, general alterations. Contract awarded Carr & Armstrong, 3025 Poplar street, Philadelphia.

Residences (45), Garman street and Bebro avenue, Philadelphia, \$188,000. Architect, private plans. Owner, Samuel Milgram, Sixty-first and Oxford streets, Philadelphia. Brick, 2 stories, 16x45 feet, 16x32 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Harry J. Altman, 5949 Pine street, Philadelphia.

Residence, South side Hoffnagle street, West of Ferndale street, \$4,000. Architect, private plans. Owner, John Scott, 7942 Oxford avenue, Philadelphia. Frame, 1 story, 24x32 feet, shingle roof, hardwood and pine floors. Contract awarded to P. E. Goodwin, Fox Chase, Philadelphia.

Garage, 6396 Sherwood road, Philadelphia, \$2,500. Architect, private plans. Owner, George Clark, on premises. Stone, 1 story, 21x24 feet, slate roof, cement floors. Contract awarded to Milton W. Young, 2037 North Sixty-third street.

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Residence (alts.), South side Fisher's lane, East of K street, \$2,200. Architect, private plans. Owner, F. E. Clement, on premises. General alterations. Contract awarded to George H. Thirsk, 4305 Horrocks street, Philadelphia.

Garage, 160-62 Krams avenue (rear), Philadelphia, \$2,000. Architect, private plans. Owner, Adam Freyling, 160 Krams avenue, Philadelphia. Brick, 1 story, 18 feet 6 inches x 34 feet 4 inches, slag roof, cement floors. Contract awarded to E. T. Dunn, 324 Rector street, Philadelphia.

Addition, Sixth and McCallum streets, Philadelphia, \$3,000. Architect, private plans. Owner, Samuel Korn, 2239 South Fifth street, Philadelphia. Brick, third floor add., 16x24 feet, pine floors, slag roof. Contract awarded Sam Wilkofsky, 605 Morris street, Philadelphia.

Store and Dwelling, Marvine and Montgomery avenue, Philadelphia, \$2,200. Architect, private plans. Owner, J. Littelun, on premises. General alterations. Contract awarded Sol. Getz, 2720 Oxford street, Philadelphia.

Residences (4), Tacony street, North of Wakeling street, Philadelphia, \$4,000 each. Architect, private plans. Owner, Stanley Cofeska, Tacony, Philadelphia. Brick, 2 stories, 14x68 feet and 12x14 feet, hot water heat, electric light, slag roof, oak and pine floors. Contract awarded Felix Tatko, 5103 Edmund street, Philadelphia.

Garage, 2124-26 Ellsworth street, Philadelphia, \$3,000. Architect, private plans. Owners, Jennie and Robert Hughes, 2128 Ellsworth street, Philadelphia. Brick, 1 story, 30x65 feet, cement floors, slag roof. Contract awarded Charles Brownell, 2710 Dickinson street, Philadelphia.

Residence and Office (alts. and add.), 4170 Ridge avenue, Philadelphia, \$3,000. Architect, private plans. Owner, William Turner, 4173 Ridge avenue, Philadelphia. Brick, 1 story, 16x11 feet, pine floors, slag roof. Contract awarded G. H. Sterner, 3443 Sunnyside avenue, Philadelphia.

Residence and Garage (add. and alt.), Park avenue and Toronto street, \$2,400. Architect, private plans. Owner, Melvin H. Bendler, Thirteenth and Rising Sun avenue, Philadelphia. Brick, 1 story, 15x15 feet, cement floors, slag roof. Contract awarded D. K. Hildebeitel, 3840 North Fifteenth street, Philadelphia.

Residence and Store (add.), 1232 Federal street, Philadelphia, \$2,000. Architect, private plans. Owner, Sam Sileo, on premises. Brick, 2 stories, 13x12 feet, pine floors, slag roof. Contract awarded Dom. Iero, 1219 Christian street, Philadelphia.

Residence, South side Harley avenue, East Eightieth street, Philadelphia, \$6,100. Architect, private plans. Owner, S. Oleins, 2047 South Hemberger street, Philadelphia. Brick, 2 stories, 16x48 feet, hot air heat, electric light, slag roof. Contract awarded A. Fretick, 2909 Annin street, Philadelphia.

Store and Dwelling, 620 South Fourth street, Philadelphia. Architect, J. S. Fuller, 5438 Locust street, Philadelphia. Owner, J. Melnick, on premises. Brick, 3 stories, hot water heat, electric light, slag roof, hardwood floors, cement work, tile and marble work, hollow metal skylights, plate glass, flush bulks, structural steel, ornamental iron work. Contract awarded Alex. Lucker, Thirty-fourth and Haverford avenue, Philadelphia.

Residences (5), Mt. Pleasant avenue and McCallum street, Philadelphia, \$30,000 each. Architect, private plans. Owners, Onastan Brothers, 400 West Allen lane, Philadelphia. Brick, 2 stories, 17x49 feet, hot water heat, slag roof, electric light, oak and pine floors. Contract awarded John E. Sindoni, McCallum and Norwood streets, Philadelphia.

Residence and Store, 812 South Twelfth street, Philadelphia, \$11,000. Architect, private plans. Owner, Morris Silverman, on premises. Brick, 3 stories, 16x44 feet, 13x27 feet, hot water heat, electric light, oak and pine floors, slag roof. Contract awarded H. Miller, 421 Catherine street, Philadelphia.

Store (fire repairs), 601-05 Market street, Philadelphia, \$3,000. Architect, private plans. Owner, Morris Snyder, 601 Market street, Philadelphia. General interior alterations. Contract awarded Lam Building Co., 1001 Wood street, Philadelphia.

Store and Storage (alts. and add.), 2454 Turner street, Philadelphia, \$2,500. Architect, private plans. Owner, Samuel Nissiman, 909 Commonwealth Building, Philadelphia. Brick, 1 story, 15x12 feet, slag roof, pine floors. Contract awarded Harry Green, 909 Commonwealth Building, Philadelphia.

Workshop, 1020 Winton street, Philadelphia, \$2,500. Architect, private plans. Owner, L. Mitisky, 1021 Jackson street, Philadelphia. Brick, 1 story, 16x36 feet, pine floors, slag roof. Contract awarded P. Berilsome, 1013 Snyder avenue, Philadelphia.

Alterations, 1714 Reed street, Philadelphia, \$2,100. Owner, Simon Buonanne, on premises. General interior alterations. Contract awarded A. Lerza, 1612 South Seventeenth street, Philadelphia.

Pennsylvania Construction News

School (High), Lewisburg, Union County, Pa. Architects, W. G. Eckels & Co., New Castle, Pa. Owners, Board of Education, Lewisburg, Pa. Low bidder: H. A. Moore, Milton, Pa.

Residence, Ambler, Pa. Architect, Joseph F. Lowery, Land Title Building, Philadelphia. Owner, H. Aigner, care of architect. Architect taking bids due March 20th.

School, Doylestown, Pa. Architect, A. Oscar Martin, Doylestown, Pa. Owners, Board of Education, Doylestown, Pa. Brick, steel, 2 stories, 66x67 feet (plumbing, heating, electric separate), slag roof, maple floors. Owners taking bids due March 18th, 7 P. M.

Residence, Royersford, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, Harry Katz, Royersford, R. F. D., Pa. Brick, 2½ stories, 26x34 feet (heating, plumbing, electric light reserved), tile bath, brick fireplace, Morgan doors, contractor's bond, terra cotta flues, vacuum cleaning, laundry equipment, oak and pine floors, green asbestos roof. Plans in progress.

Residence and Garage, Royersford, Pa. Architect, J. Vincent Poley, 162 2nd Ave., Roy-

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ersford, Pa. Owner, John Haines, 2nd and Walnut streets, Royersford, Pa. Tapestry brick, 2½ stories, 34x26 feet (heating, plumbing, lighting reserved), tile baths, rolled steel and wood sash, Morgan doors, contractor's bond, asbestos shingle roof, pine floors, laundry equipment, vacuum cleaning, brick fireplace. Plans in progress.

Residence, Elkins Park, Pa. Architects, H. Rex Stackhouse and W. W. Donohoe, 1120 Locust street, Philadelphia. Owner, name withheld. Hollow tile, stucco, 2½ stories, 58x24 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

School, Minersville, Pa. Architect, G. Cleveland Freeman, Liberty Bank Building, Reading, Pa. Owners, St. Francis' Lutheran Parish, Rev. J. A. Haralus, on premises. Brick, concrete, steel, 2 stories and basement, 92x64 feet, built-up roof, pine floors, roof ventilators, metal lath, bond, ornamental iron work. Architect taking bids.

Residence, Pennock terrace and Lansdowne avenue, Lansdowne, Pa. Architect, P. S. Tyre, 1505 Arch street, Philadelphia. Owner, Mrs. Emma A. Matthews, care of architect. Stone, hollow tile, stucco, 2½ stories. Plans in progress. Too early for details.

Residences (15), Elkins Park, Pa. Architect, private plans. Owner, E. A. Reeves, Abington, Pa. Stone, 2½ stories, 16x30 feet, slate roof, hardwood floors, hot water heat, electric light, tile work, metal lath, cement work, garages in basement. Owner taking sub-bids. Plans may be seen at office of Bauer Brothers, 4308 North Broad street, Philadelphia.

Building (alts. to Bank), Ninth and Main streets, Darby, Pa. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owners, Darby Bank, Darby, Pa. Interior alterations. Plans in progress.

Garage (alts.), Villanova, Pa. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, Conyers Read, Villanova, Pa. Architects taking bids due March 17th at noon.

Residence, Jeffersonville, Pa. Architect, E. T. Boggs, 119 South Fourth street, Philadelphia. Owner, F. M. Spring, Norristown, Pa. Stone, 2½ stories, 37 feet 6 inches x 26 feet (heating, electric, plumbing, tile reserved), slate roof, hardwood floors. Owner taking bids due as soon as possible.

Infirmity, Bala, Pa., \$250,000. Owners, Methodist Home for Aged, Bala, Pa. Brick, steel, concrete, stone. Work contemplated.

Assembly Plant, Chester, Pa., \$1,000,000. Owners, Ford Motor Co., Detroit, Mich. Preliminary plans in progress.

Garage, Wynecote, Pa. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, George Harmer Lorimer, care of architect. Stone, 1½ stories, 8 car, slate roof, cement floors, electric light. Plans about completed. Will be ready for bids in a few days.

Residences (50), Elkins Park, Pa. Architect, D. A. Rosenstein, Humphreys Building, Atlantic City, N. J. Owners, Guernsey Stevenson, Fox Building, Philadelphia. Brick, cement block, stucco, frame, 2½ stories, 26x38 feet, garage, 1 story, 20x24 feet, slag and tile roof, cement and hardwood floors, hot water heat, electric light, tile and marble work. Owner will be ready for sub-bids in a month.

Residence, Holmesburg, Pa. Architect, S. D. Milner, 1117 Foulkrod street, Philadelphia. Owner, name withheld. Hollow tile and stucco, 2½ stories, 27x42 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Meeting Hall, Fourth and Upland streets, Chester, Pa. Architect, Fred C. Bauer, Jr., Chester, Pa. Owners, American Lithuanian Club, care of F. Navickas, 640 Morton avenue,

Chester, Pa. Brick, steel, 2 stories and basement, 72x34 feet, slag roof, maple and cement floors, metal lath, terra cotta, copings. Owners taking bids due March 14th.

Road Work, Pennsylvania. Bids opened February 27th. Low bidders. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa. Carbon County, R-164, Franklin and Towamensing Townships, 27,400 feet. One course reinforced concrete. Sherman & Rhodes, Bridgeville, Delaware, \$360,624.39.

Residence, Jenkintown Manor, Pa. Architect, H. Rex Stackhouse, 1120 Locust street, Philadelphia. Owner, A. J. McKees, Newton Coal Co., Franklin National Bank Building. Stone, 2½ stories, 60x27 feet, shingle roof, oak and pine floors, hot water heat, electric light. Architect taking bids due as soon as possible.

Stores and Apartments, Darby, Pa. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, Samuel Cohen, Darby, Pa. Brick, steel, 3 stories and basement, irregular, hot water heat, electric light, tile and marble work, metal lath, slag roof, oak and pine floors. Architects taking bids due March 19th.

Bank (alts. and add.), Lewisburg, Pa. Architects, Davis, 3rd, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Union National Bank, Lewisburg, Pa. Brick, steel, cut stone, stone, 1 story and basement, 38x34 feet, slag roof, cement and pine floors, roof ventilators, metal window guards, metal lath, waterproofing, glazed terra cotta coping, ornamental iron work, bronze work, bond, rolled steel skylights, tile and marble work. Architects taking bids due March 25th.

Residences (18), Worrell and Sunnyside avenues, Chester, Pa. **Residences (20)**, Twenty-first and Upland streets, Chester, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, W. G. Price, Jr., 550 Edgemont street, Chester, Pa. Brick, stucco, 2 stories, (18) 16x40 feet, (20) 16x32 feet, slate, slag and tin roof, hardwood floors, cement work, metal lath, hot water heat, electric light, garages in basement. Owner taking sub-bids.

Bank Building, Oxford avenue and Huntingdon pike, Fox Chase, Pa. Architect, Christian H. Freis, Rockledge, Pa. Owners, The Fox Chase Bank, C. H. Heyer, Fox Chase, Pa. Brick, stone, cut stone, steel, 1 story and basement, 85x42 feet, slag and composition roof, cement, composition and maple floors, hollow tile, ornamental iron work, iron stairs, tin-clad and kalamein doors, galvanized iron skylights, rolled steel sash, tile work, metal lath, plumbing, heating, electric elevators, elevator doors, precast stone, metal toilet partitions, bronze work. Architect taking bids due March 16th.

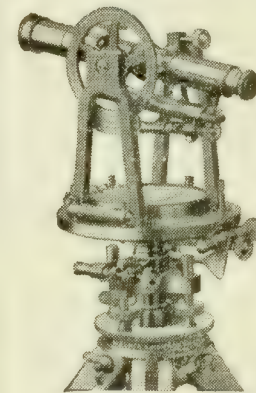
Dutch Colonial Residence, Royersford, Pa. Architect, J. V. Poley, 162 Second avenue, Royersford, Pa. Owner, Howard S. Vraner, 457 Main street, Royersford, Pa. Cement block, 2 stories, 30x36 feet, composition roof, oak and maple floors, steam heat, electric light, Morgan doors, contractor's bond, terra cotta flues, brick fireplace (separate bids on tub, shower, toilet, vacuum cleaning system, laundry equipment). Plans in progress.

Residence and Garage, Phoenixville, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, Carl H. Weiland, 202 Second avenue, Phoenixville, Pa. Velous tapestry brick, 2½ stories, 32x36 feet, with 2 12-foot additions (hot water heat reserved), electric light, tile bath, asbestos shingle roof, oak and tile floors, laundry equipment, vacuum cleaning system, Morgan doors, contractor's bond. Owner taking bids due March 16th.

Manufacturing Plant, Bethlehem, Pa. Engineer, F. L. Lacaff, Const. Mgr., Holland Furn. Co., Holland, Mich. Owners, Holland Furnace Co., Holland, Mich. Plans in progress.

School, Bethlehem, Pa. Architect, Howard Weigner, Bethlehem Trust Building, Bethlehem, Pa. Owners, St. Joseph Windish's Roman Catholic Church, Rev. C. Beran, Bethlehem. Brick, steel, 3 stories, 70x80 feet, slag roof, pine floors, hollow tile, safety treads, roof ventilators, waterproofing and damp-proofing, iron stairs, ornamental iron work, vapor vacuum heat, electric light. Plans in progress.

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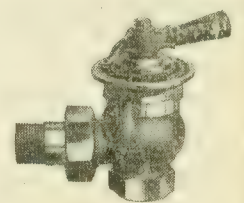
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Residence, Nazareth, Pa. Architect, Howard Weigner, Bethlehem Trust Building, Bethlehem, Pa. Owner, Fred Martin, Nazareth, Pa. Brick, 2½ stories, 50x30 feet, slate roof, hardwood floors, hot water heat, electric light, tile work, electric refrigeration. Plans in progress. Architect will take bids in ten days.

Almshouse, Nazareth, Pa. Architect, E. H. Wenzelberger, 224 Northampton street, Easton, Pa. Owner, Northampton County Directors of Poor, Stewart Houch, Easton, Pa. Brick, fireproof, 2 stories, 160x116 feet, slag roof, composition and pine floors, steam heat, electric light, metal lath, roof ventilators, waterproofing and dampproofing, iron stairs. Architect will take bids in one week.

Almshouse, Wescoesville, Pa. Architect, David Levy, 929 Hamilton street, Allentown, Pa. Owners, Lehigh County Almshouse, care of Mr. Seiger, Wescoesville, Pa. Brick, reinforced concrete, steel, 3 stories, 300x200 feet, slag roof, composition floors, (2) elevators, steam heat, electric light, steel sash, concrete work, waterproofing and dampproofing. Ready for bids in a few days.

Residence, Ambler, Pa. Architects, C. E. Schermerhorn and W. K. Phillips, 213 South Fifth street, Philadelphia. Owner, Mr. L. Schwartz, care of architect. Brick, stone, slag roof, pine and oak floors, 2 stories, 20x97 feet, skylights, plumbing, hot water heat, electric light, bulk (copper) front, cement work. Architects taking bids due March 17th.

Residence, Merion, Pa. Architect, Robert McGoodwin, 1600 Walnut street, Philadelphia. Owner, Mr. H. Burke Wilford, care of architect. Stone, 2½ stories, 70x50 feet, slate roof, oak and pine floors, hot water heat, electric light, tile work. Architect taking bids due March 18th.

Road Work, Pennsylvania. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa. Low bidders on road work opened February 27th:

Crawford County, R-295, A-3195, Summit and Sadsbury Township, length 23,883 feet. Either bituminous surface course on concrete foundation or one course reinforced concrete. Russell Brothers, Youngstown, Ohio, \$234,278.20.

Cameron and Elk Counties, 4-99, Benzinger and Shippen Townships, length 53,910 feet. One course reinforced concrete. W. D. Fote, Olean, New York, \$506,806.30.

McKean County, R-95, Hamilton and Wetmore Townships, length 42,105 feet. Either bituminous surface course on concrete foundation or one course reinforced concrete. D. L. Dennis, Smethport, Pa., \$429,001.45.

Berks County, R-285 and 3.147, Hamburg and Lenhaysville Borough, Windsor and Greenwich Townships. One course reinforced concrete. D. L. Risser, Lebanon, Pa., \$218,575.95.

Indiana County, 4-189, South Mahoning, Washington and Rayne Townships, Plumville Borough, length 41,599 feet. One course reinforced concrete. Johnson, Drake & Piper, Minneapolis, Minn., \$417,240.75.

Montgomery County, R-198, A-3157, Upper and Lower Gwynedd, Horsham and Upper Dublin and Moreland Townships, length 44,090 feet. One course reinforced concrete. Ambler Davis Co., Harrison Building, Philadelphia, \$301,913.20.

Luzerne County, R-5, Pittston Township, Hughestown and Dupont Borougs, length 5,593 feet. One course reinforced concrete. Joseph Newcomb, Pittston, Pa., \$55,013.85.

Susquehanna County, R-174, Clifford Township, length 11,162 feet. One course reinforced concrete. M. Babber, Binghamton, N. Y., \$102,476.88.

Greene County, R-256, A-1078, A-2958, Center Township, length 21,337 feet. One course reinforced concrete. T. Cronin Co., Pittsburgh, \$293,912.80.

Westmoreland County, R-188, A-3039, Kensington and Arnold Townships, length 4,109 feet. One course reinforced concrete. Standard Const. Co., Altoona, Pa., \$34,946.58.

Dauphin County, 4-336, A-2923, Mifflin Township, 14,737 feet. One course reinforced concrete. William M. Moser, Mt. Carmel, Pa., \$127,991.45.

Centre County, R-219, Snow Shoe and Boggs Townships, length 44,000 feet. One course reinforced concrete. James & Nicholson Co., Johnstown, Pa., \$458,762.84.

Allegheny County, R-228, A-3173, Plum Township, length 6,400 feet. One course reinforced concrete. Standard Const. Co., Altoona, Pa., \$60,781.40.

Crawford County, R-83, A-3194, Conneaut Township, length 12,267 feet. Either bituminous surface course on concrete foundation or one course reinforced concrete. Lewis & Frisinger, Rockford, Ohio, \$93,441.24.

Pennsylvania Contracts Awarded

Post Office Building and Store Building, Glenside, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, W. H. Raiser, Glenside, Pa. Brick, 1 story, 55x66 feet, slag roof, cement floors (heating, plumbing and electric work reserved). Contract awarded Roy Randall, Jenkintown, Pa.

Poultry House, Rydal, Pa. Owner, M. W. Zimmerman, 1518 Waverly street, Philadelphia. Frame, 1 story, 90x17 feet, Barrett's S-1-S roof. Contract awarded Thomas Traford, 1613 Sansom street, Philadelphia, who is taking sub-bids due as soon as possible.

School, William street, Scranton, Pa. Architects, Morris & McHale, Mears Building, Scranton, Pa. Owners, Holy Rosary Roman Catholic Church, Rev. J. V. Moylan, 316 Williams street, Scranton, Pa. Brick, steel, 2 stories, 70x150 feet, electric light. Contract awarded A. E. Badgley, Stone Opera House Building, Binghamton, N. Y.

Residence, Springfield, Pa. Architect, H. G. McMurtrie, 1012 Walnut street, Philadelphia. Owner, Dr. C. R. Marshall, care of architect. Brick, 2 stories, 32x36 feet, slate roof, hardwood floors, steam heat, electric light, tile work. Contract awarded A. H. Moorshead, 67 Laurel street, Philadelphia.

Strand Theatre, Pottstown, Pa., \$190,000. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, Pottstown Theatre Co., G. W. Bennethum, 1307 Vine street, Philadelphia. Reinforced concrete, steel, brick, 3 stories and basement, 163x60 feet, cement and pine floors, Barrett's Specification roof, hollow tile, roof ventilators, shoring, dampproofing, bluestone, art glass, ornamental iron work, iron stairs, bond, tin-clad and kalamein doors, galvanized iron skylights, hollow metal sash, marble work. Contract awarded F. H. Keiser & Co., Pottstown, Pa.

Parish House, Branchtown, Pa. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owners, House of Prayer, Branchtown, Pa. Stone, precast stone, steel, 2½ stories, 75x30 feet, slate roof, composition and maple floors, steam heat, electric light, metal lath, steel casement sash, bond, ornamental iron work. Contract awarded Thomas C. Traford, 1613 Sansom street, Philadelphia, but not yet signed.

Church, Marmun and Gay streets, West Chester, Pa. Architects, Henry C. Dagit & Son, 34 South Seventeenth street, Philadelphia. Owners, St. Agnes' Roman Catholic Church, Rev. H. C. Schuyler, West Chester, Pa. Stone, cut stone, 1 story and basement, 86x60 feet (electric, plumbing, heating reserved), slate roof, pine floors, bond, orna-

mental iron work. Contract awarded Frank Sehuler, Norristown, Pa.

Residence, Chadd's Ford, Pa. Architects, Charles Barton Keen & Wallace, 338 South Smedley street, Philadelphia. Owner, C. L. Patterson, Chadd's Ford, Pa. General alterations and addition. Contract awarded M. W. Young, 2037 North Sixty-third street, Philadelphia.

New Jersey Construction News

Residences (2), 88-20 Beideman avenue, Camden, N. J., \$7,000. Architect, private plans. Owner, D. M. Sterner, Woodbury, N. J. Frame, 2 stories, 14x44 feet, hot air heat, slag roof, electric light. Owner will build.

Convent, Collingswood, N. J. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owners, St. John's Roman Catholic Church, Rev. J. Smith, Collingswood, N. J. Architect taking bids due March 16th, 2 P. M.

School (alts. and add.), Riverside, N. J. Architect, Herbert O. Ziegler, Riverside, N. J. Owners, Board of Education, Township of Riverside, N. J. Brick, precast stone, cut stone, steel, reinforced concrete, 2 stories and basement, 119x134 feet, slag roof, maple and rubberoid floors, hollow tile, safety treads, waterproofing, ornamental iron work, kalamein doors, rolled steel sash, metal lath, metal partitions. Owners taking bids due March 20th, 8 P. M. (Specification.)

Road Work, New Jersey. Owners, State of New Jersey, State Highway Commission, Trenton, N. J. Owners taking bids due March 16th at noon. Essex and Union Counties, Route No. 5, Section No. 15, reinforced concrete pavement. Essex County, Route No. 11, Section No. 8, Kingsland road, Nutley. Deposit, \$10. All bids must be accompanied by a certified check for 10 per cent. of amount of bid.

Road Work, New Jersey. Owners, State of New Jersey, State Highway Commission, Trenton, N. J. Owners taking bids due March 9th at noon. Essex County, Route No. 11, Section No. 10, Washington avenue, Nutley. Monmouth County, Route No. 7, Section No. 4, Coult Neck's road to Jerseyville. Deposit, \$10. All bids must be accompanied with a certified check for 10 per cent. of amount of bid.

Office Building, 1415 Atlantic avenue, Atlantic City, N. J. Architect, D. A. Rosenstein, Humphreys Building, Atlantic City. Owners, Pedrick & Son, 1415 Atlantic avenue, Atlantic City. Brick, steel, 2 stories, 75x54 feet, slag and tile roof, hardwood floors, hollow tile, electric light, metal lath, tile work, metal sash, ornamental iron work. Owners will build.

Residences (2), Andover and Ventnor avenues, Margate City, N. J. Architect, D. A. Rosenstein, Humphreys Building, Atlantic City. Owner, Carl W. Brown, 104 South California avenue, Atlantic City. Frame and stucco, 2 stories, 26x40 feet, tile roof, hardwood floors, hot water heat, electric light, tile work. Owner will sub-let.

Residence, Collingswood, N. J. Architect, D. A. Rosenstein, Humphreys Building, Atlantic City. Owner, Dr. G. E. Day, care of architect. Brick, frame, stucco, 2½ stories, 27x44 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Store and Apartment, 21 South South Carolina avenue, Atlantic City. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, Stang Hyman, Davis Hotel, Atlantic City. Brick, 1 story, 28x55 feet, tile floors, plate glass, dental equipment. Owner ready for bids.

Cottage, Ventnor, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owners, Candle & Ott, Atlantic City, N. J. Stone, cinder block, 2 stories, 28x41 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Owners will build.

Bank, West Collingswood, N. J. Architects, Lackay & Hettle 5 Hudson avenue, Camden, N. J. Owners, Memorial National Bank, J. Bottomley, president, West Collingswood, N. J. Structural steel, 1 story and mezzanine, 35x50 feet, slate roof, tile and linoleum floors, metal lath, steel sash, galvanized bank partitions, dampproofing, ornamental iron work. Plans in progress.

Church, Trenton, N. J. Architect, Robert Schuman, 202 W. State street, Trenton, N. J. Owners, Union Baptist Church, Rev. Stewart, are of architect. Stone, one story and basement, 45x95 feet, slate roof, hardwood floors, steam heat, electric light, ornamental iron work. Plans in progress.

Church, Perth Amboy, N. J., \$250,000. Architect, Robert Schuman, 202 W. State street, Trenton, N. J. Owners, Holy Trinity Church, Rev. Szuch, Trenton, N. J. Stone, one story, 75x200 feet, tile roof, composition floors, steam heat, electric light, tile and marble work, ornamental iron work. Plans in progress.

Apartments (3) (6 family), Trenton, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owner, Peter Schlicker, Jr., Trenton, N. J. Cinder block, stucco (1), brick (2), 3 stories, 30x60 feet, slag roof, hardwood floors, electric light, tile work. Plans in progress.

Craft Shop, Glen Garden, N. J. Architect, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, State of New Jersey Sanatorium for Tuberculosis, on premises. Hollow roof, concrete and wood floors, electric light, roof vents, waterproofing, hollow tile. Architect will take bids.

New Jersey Contracts Awarded

Lumber Shed, Front and Chestnut streets, Camden, N. J., \$3,500. Architect, private plans. Owners, C. B. Coles & Sons, Front and Kaighn avenue, Camden, N. J. Frame, 1 story, 45x65 feet, rubberoid roof. Contract awarded Richartz & Turner, 1838 Fillmore street, Camden.

Service Station, Haddon avenue and Mickle street, Camden, N. J., \$3,500. Architect, Herbert N. Moffett, Camden, N. J. Owners, Victor Oil Co., 314 Temple Building, Camden, N. J. Brick, 1 story, 12x16 feet, Spanish tile roof, electric light. Contract awarded A. E. Anderson, Merchantville, N. J.

High School, Delanco, N. J. Architect, H. O. Ziegler, Riverside, N. J. Owners, Board of Education, Township of Beverly, N. J. Contract awarded David Teitz, Trenton, N. J., \$76,900. Plumbing, George Orfe, Riverside, N. J., \$14,800. Heating, Ernest C. Fish, Delanco, N. J., \$8,750. Electric, W. E. Janney, Rancoocas, N. J., \$4,165.

Windshield, Park Place, Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, Department of Streets and Public Buildings, Atlantic City, N. J. Steel, glass, wood, 300 feet long, millwork. Contract awarded to H. B. Markland, Freeman Building, Atlantic City, N. J.

Church, Pleasantville, N. J. Architect, Vivian B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owners, First Baptist Church, Pleasantville, N. J. Stone, 1½ stories, slate roof, pine floors, steam heat, electric.

Contract awarded D. A. McClelland, Drexel Building, Philadelphia.

Boat House, Ventnor Heights, N. J. Architect, private plans. Owner, R. A. Seach, Camden, N. J. Frame, 2½ stories, 19x57 feet, red asphalt roof, pine floors, electric light. Contract awarded to D. N. Reed, Ventnor Heights, N. J.

Residences (2), Trenton, N. J. Architect, Robert Schuman, 202 W. State street, Trenton, N. J. Owner, Andrew Eura, Trenton, N. J. Brick, 2½ stories, 16x52 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded John Sabot, 571 Center street, Trenton, N. J.

Residences (6), 3006-16 Fenwick Road, Camden, N. J., \$30,000. Owner, Pete Gondolf, 3035 Tuckahoe Road, Camden, N. J. Brick, 2 stories, slag roof, hot air heat, 18x36 feet. Contract awarded Milton Corson, 814 Morgan street, Camden, N. J.

Store and Apartment (alts. and add.), 2303 Pacific avenue, Atlantic City, N. J. Architect, D. W. B. Haining, Guarantee Trust Building, Atlantic City, N. J. Owners, Lippman Bros., Mississippi and Pacific avenues, Atlantic City, N. J. Brick, structural steel, 3 stories, 36x12 feet, slag roof, hardwood and concrete floors, hot water heat, electric light, tile work, general alterations, galvanized iron. Contract awarded to Kerplin & Riddle, Atlantic City, N. J.

Bank Building (add.), Cape May, N. J. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Security Trust Co., Camden, N. J. Small addition to conform to present building. Contract awarded Sherman Sharp, Cape May, N. J.

Plant, Trenton, N. J. Engineers, Lockwood, Greene & Co., 100 E. Forty-second street, New York City. Owners, W. & J. Sloan Manufacturing Co., on premises. Brick work, concrete work, millwork, miscellaneous iron work, waterproofing. Warehouse, one story, 630x85 feet; printing building, one story, 409x130 feet; fastoons and dry docks, 409x227 feet; calender room, one story, 157x63 feet; mixing room, 3 stories, 357x106 feet; inlaid trimming room, one story, 210x126 feet; press room, one story, 147x127 feet; cement house, 2 stories, 85x43 feet; cork mills, 3 stories, 84x42 feet; cork warehouse, one story, 126x84 feet; oxidizing room, one story, 100x100 feet; oil building, one story, 84x49 feet; tank supports, 61x25 feet. Contract awarded Karno Smith Co., Trenton, N. J.

Residences (11), 1251-71 Decatur street, Camden, N. J., \$45,000. Architect, private plans. Owners, Cope Realty Co., Camden, N. J. Brick, 2 stories, 14x41 feet, hot air heat, slag roof, pine and hardwood floors, electric light. Contract awarded G. Anderson, 612 Collings avenue, West Collingswood, N. J.

Residences (7), 1714-26 Cope street, Camden, N. J., \$29,000. Architect, private plans. Owners, Cope Realty Co., Camden, N. J. Brick, 2 stories, (1) 16x48 feet, (6) 14x41 feet, hot air heat, electric light, slag roof, pine and hardwood floors. Contract awarded G. Anderson, 612 Collins avenue, West Collingswood, N. J.

Residence, Residence and Store, 1196-98 Thurman street, Camden, N. J., \$13,000. Architect, private plans. Owner, John Dziatkiewicz, Camden, N. J. Brick, 2 stories, 17 feet 6 inchesx55 feet 6 inches, 14x44 feet, hot air heat, slag roof, pine floors, electric light. Contract awarded John Onderski, 1825 Tioga street, Camden, N. J.

The man with an order to place doesn't hunt you up in the city directory these days. He hasn't the time. If he can't find you in your trade magazine he can and does find somebody else, and that somebody else books the order.

Miscellaneous Construction News

Jetty Construction, Delaware River, Wilmington, Del. Owners, U. S. Government, U. S. Engineer, Wilmington, Del. Low bidders, Standard Lime and Stone Co., Baltimore, Md., \$2.80 a ton.

Canton School, 1st St., Fait, Hudson street, Baltimore, Md. Architects, Wyatt & Notting, Keyser Building, Baltimore, Md. Owners, Mayor and City Council, Public Imp. Com., Baltimore, Md. Low bidders, J. L. Robinson Corp., Baltimore, Md.

High School (alts. and add.), Mechanicsville, N. Y. Architect, J. T. Simpson, Essex Building, Newark, N. J. Owners, Board of Education, Mechanicsville, N. Y. Brick, steel. Owners taking bids, due March 27th.

Miscellaneous Contracts Awarded

Residence and Garage, Winston-Salem, N. C. Architects, C. Barton, Keen & Wallace, 338 S. Smedley street, Philadelphia. Owner, R. M. Hanes, Winston-Salem, N. C. Brick, steel, 2½ stories, 60x30 feet, garage 29x24 feet, slag and slate roof, oak, pine and cement floors, hollow tile, waterproofing, ornamental iron work, metal lath, ornamental plaster, incinerators. Contract awarded McNeill Construction Co., Schaff Building, Philadelphia.

Police Headquarters, Baltimore, Md. Architects, J. Pennington, Pleasants Pennington, 330 N. Charles street, Baltimore, Md. Owners, Board of Awards, F. A. Dolfeld, City Hall, Baltimore, Md. Contract awarded Sinclair & Griggs, Medical Arts Building, Philadelphia, \$971,700.

Hotel, Roaring Gap, N. C. Architects, Charles Barton Keen & Wallace, 338 South Smedley street, Philadelphia. Owners, Roaring Gap Hotel, Roaring Gap, N. C. Stone, 4 stories and basement, 64x185 feet (electric, plumbing, heating and tile work), slate roof, hardwood floors. Contract awarded J. A. Gardner, Charlotte, N. C.

Just remember this: Give out courtesy, kindness, patience and good-will, and you'll get them all back with compound interest. The men who deserve to rank in Class A do not chew the lint and fuss about the small misfits of life. To take what comes and forget the rest is wisdom. Let Braggo give the janitor the call, and the Hall Boys have it out with the Ashbox Inspector—you can't afford to soil your soul with small scraps. Fight on a big scale, or not at all. The folks who have trouble with ushers are always looking for trouble—and find it. Smile, old boy, smile!

MARBLE TILE
MOSAIC and CERAMICS

Camden Tile Co.

1484 Bradley Avenue
CAMDEN, N. J.

BELL PHONE, CAMDEN 3827 W

Proposal

ADVERTISEMENT FOR THE CONSTRUCTION OF ADDITION TO PUBLIC SCHOOL NO. 3, AUDUBON, N. J.

Public notice is hereby given that sealed proposals for furnishing labor and materials to construct and furnish mechanical equipment for the addition to Public School No. 3 for Audubon, N. J., will be received by the chairman of the Property Committee of the Board of Education of Audubon, N. J., at School No. 1, Oak Street and Oakland avenue, Audubon, New Jersey, on Tuesday, March 17th, 1925, at eight o'clock P. M., at which time all proposals submitted will be opened and publicly read.

The work is as follows:

Four additional class rooms and connecting corridor. This building will be constructed of brick walls, concrete slab over corridor, with iron girders and wood joist floor construction with wood roof covered with built-up roofing, and contains approximately 96,664 cu. ft.

The building will be erected on the ground immediately in the rear of the present building which is located on Haviland avenue, Audubon, New Jersey.

Bids will be received for the following items: **General Construction, Heating and Ventilating, Plumbing Work, Electrical Work.**

Said proposals must be on blank forms provided for that purpose and must be closed in sealed envelopes endorsed "Proposals for Addition to Public School No. 3, Audubon, N. J.," and must state the branch of work for which proposals are submitted.

No bid will be considered unless accompanied by a certified check to the amount of five per cent. of the bid, binding the bidder to execute a contract if awarded to him. The terms of the proposal with surety required are fixed by the specifications, to which reference may be had. The right is served to reject any or all bids submitted, also to waive any informality in the same.

Copies of the drawings and specifications may be seen at the architect's office, and copies will be loaned to bidders by the architect on deposit with him of a certified check to his order for the sum of \$50.00. Upon return of drawings and specifications the check will be returned. These drawings and specifications may be obtained by application to Arnold H. Moses, Architect, Temple Building, Camden, N. J.

Dated February, 1925.

SPECIFICATIONS FOR ASPHALT PREPARED ROOFING

Specifications for asphalt prepared roofing, based on the results of investigations conducted by the Bureau of Standards, Department of Commerce, have been adopted by the Federal Specifications Board to serve as U. S. Government Master Specifications for the purchase of this material.

Two weights of this roofing have been covered by the specifications, medium and heavy weight, averaging 45 and 55 pounds respectively per 108 square feet of area. The detailed requirements specified cov-

er appearance, maximum and minimum weight, pliability, and behavior of the roofing on heating. Requirements for the dry felt from which the roofing is to be prepared are also given and correspond to Nos. 48 and 60 respectively for the two weights. Specifications for the nails and lap cement used in applying the roofing are also given together with methods for its inspection, sampling, and testing.

The investigations on which these specifications are based have been in progress at the Bureau of Standards for four years, and have covered all types of bituminous roofing. They have been made in co-operation with the manufacturers and large consumers of the materials, and with government departments interested in them.

These specifications are given in Circular 192 of the Bureau of Standards. Copies may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C. The price is 5 cents, each.

How to raise the standard of American homes built in the future, what facts on home building should the public have, and how own your home expositions can best be developed as mediums for encouraging residence construction are among the subjects to be taken up by a convention of the construction and allied interests called by the National Association of Real Estate Boards in connection with the Chicago Fifth Annual "Own Your Home" Exposition to be held in the Coliseum the last week in March.

Officials of more than forty national allied trade organizations and associations that a year ago approved the plan of licensing all such expositions and building shows by the National Association of Real Estate Boards, have been invited to attend this convention, the first of its kind to be ever held. The Committees of Administration, the Advisory Committees, and the Exhibit Committees of the New York, Philadelphia and Buffalo "Own Your Home" Expositions, conducted under the same plan as the Chicago Exposition, have also been invited to participate. These committees are composed of prominent members of the local real estate boards and of the various trades, and in most cases the chairmen are presidents of the local chapters of their respective trade organizations.

Recommendations on how to improve the efficiency and lower the cost of American homes built in the future, and how to best educate the public, as well as contractors and builders on correct construction practices and the uses of standard and new approved materials, entirely aside from the Expositions, coming from

such a celebrated group will, undoubtedly, have far reaching results. Never before in the history of business have great national organizations assembled for a common purpose according to Bartholomew O'Toole, Chairman of the "Own Your Home" Division of the National Association of Real Estate Boards, and we now look for the day when flimsy construction, bad planning, and the woe-ful trail of enormous waste and losses in the erection of homes will be a thing of the past.

The Convention has been called at the time of the Chicago Exposition in order that these delegates may see how it has been developed with the support of these national organizations. The first day of the convention has been set aside for an inspection and analysis of the Exposition, and preliminary conferences will be held to determine how each profession and trade can be visualized in an even more constructive manner at such expositions held in the future.

Secretary of Commerce Herbert Hoover will probably be a guest of the Convention, Charles G. Edwards, President of the National Association of Real Estate Boards will preside, and Chicago officials will assist in receiving the delegates.

The Presidents of the following organizations are included among those to whom invitations have been issued: The American Institute of Architects, The American Institute of Landscape Architects, The American Society of Civil Engineers, The American Society of Heating and Ventilating Engineers, The National Association of Mutual Savings Banks, The United States League of Local Building and Loan Associations, The Wall Paper Manufacturers' Association, The National Alliance of Furniture Manufacturers, The Society for Electrical Development, The National Council of Lighting Fixture Manufacturers, The American Gas Association, The Portland Cement Association, The Common Brick Manufacturers' Association, The American Face Brick Association, The Hollow Building Tile Manufacturers' Association, The Prepared Roofing Association, The National Lumber Manufacturers' Association, The National Wholesale Lumber Dealers' Association, The National Retail Lumber Dealers' Association, The National Paint, Oil and Varnish Association, The Associated Metal Lath Manufacturers, The Associated Tile Manufacturers, The National Association of Master Plumbers, The Heating and Piping Contractors' National Association, The Warm Air and Ventilating Association, The American Fuel Oil Burner Manufacturers' Associations, The American Association of Nurserymen, and The Society of American Florists and Ornamental Horticulturists.

Reference Directory for Architects, Builders and Owners

ARTESIAN WELLS.

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS AND ARCHITECTS' SUPPLIES.

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

ASPHALT CONSTRUCTION.

Rulon, Ralph V.239 N. 30th St., Phila.

BLUE PRINTS.

Blue Print Shop.....1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

BLUE PRINT PAPER.

Blue Print Shop.....1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS.

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

BRICK.

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.

BRICK (Face, Common, Paving).

Holloway Corporation....105-107 S. Third St., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS.

Mitchell Bros.2125 Race St., Phila.

BUILDING NEWS.

Daily Building News.....Perry Bldg., Phila.

BUILDERS' SUPPLIES.

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT.

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK.

D'Lauro, John55 E. Mermaid Lane, Phila.
Massiah, Frederick..Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

COLUMNS (Metal).

Pearce Fireproof Co.1911 N. 2nd St., Phila.

COMPOSITION FLOORING.

Penna. Flooring & Woodoleum Mfg. Co.,
34 S. 17th St., Phila.

CONCRETE WORK.

Massiah, Frederick..Juniper and Cypress Sts., Phila.

CONTRACT BONDS.

Patton, Edward W.400 Lincoln Bldg., Phila.

CONTRACTOR'S EQUIPMENT

Lee T. Ward Co.617 Filbert St., Phila.

CORK FLOORING

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

CURTIS WOODWORK.

Gillingham Co. ...Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS.

Building News Pub. Co.Perry Bldg., Phila.

DAMP-PROOFING.

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger.....829 N. 3rd St., Phila.

Concrete Waterproof Paint Co..829 N. 3rd St., Phila.

Master Builders' Co.,
Room 601, 1524 Chestnut St., Phila.

Truscon Laboratories.....1505 Race St., Phila.

DRAWING MATERIALS.

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

ELECTRICAL SUPPLIES.

Cass, Philip, & Co.40 N. 5th St., Phila.

EXCAVATING.

McCarriek Bros.3138 N. 24th St., Phila.

Morrissey Bros.4345 N. 7th St., Phila.

FENCES.

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. ...Erie Ave. & "D" St., Phila.

Reisbord, Wolf.....4437-43 Ludlow St., Phila.

FIREPROOFING.

Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLOOR HARDENER.

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Concrete Waterproof Paint Co..829 N. 3rd St., Phila.

Master Builders' Co.,
Room 601, 1524 Chestnut St., Phila.

Truscon Laboratories.....1505 Race St., Phila.

FLOOR PLATES.

Wood, Alan, Iron & Steel Co..Widener Bldg., Phila.

FLUE LINING.

Clausen, Wm. H.27th and Diamond Sts., Phila.

FURNACES AND RANGES.

Cox, Abram, Stove Co.,
American and Dauphin Sts., Phila.

Fleck Bros.44 N. 5th St., Phila.

Miller, Henry M.46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc.64 N. 2nd St., Phila.

GARAGE HEATERS.

Fleck Bros. Co.50 N. 5th St., Phila.

GAS RANGES.

Abram Cox Stove Co.,
American and Dauphin Sts., Phila.
Fleck Bros. Co.50 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. ...1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

HARDWOOD FLOORS.

Wood, L. H.3312 Lancaster Ave., Phila.

HAULING CONTRACTORS.

Dooley, John J.39 S. 19th St., Phila.
McCarriek Bros.3138 N. 24th St., Phila.
Frank A. Stafford.....719 Cherry St., Phila.

HEATING CONTRACTORS.

Bowers Bros. & Co.2015 Sansom St., Phila.

HEATING BOILERS.

Cox, Abram, Stove Co.,
American and Dauphin Sts., Phila.
Fleck Bros. Co.50 N. 5th St., Phila.

HEATING SPECIALTIES.

Sheffler-Gross Co.Drexel Bldg., Phila.

HOLLOW METAL WINDOWS.

McFarland-Meade Co.,
70th and Kingsessing Ave., Phila.

Tinney, Walter H., Co.,
63rd and Woodland Ave., Phila.

HOLLOW TILE.

Clausen, Wm. H.27th and Diamond Sts., Phila.
Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

HOT WATER GENERATORS.

Edwin Elliot & Co.1011 Chestnut St., Phila.

HOT WATER STORAGE SYSTEMS

Bryant Heater & Mfg. Co.Bourse Bldg., Phila.

INSURANCE.

Insurance Co. of North America,
3rd and Walnut Sts., Phila.
Patton, Edward W.400 Lincoln Bldg., Phila.

Philadelphia Fire & Marine Ins. Co.,
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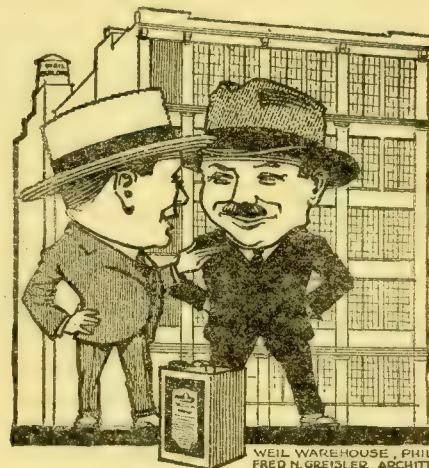
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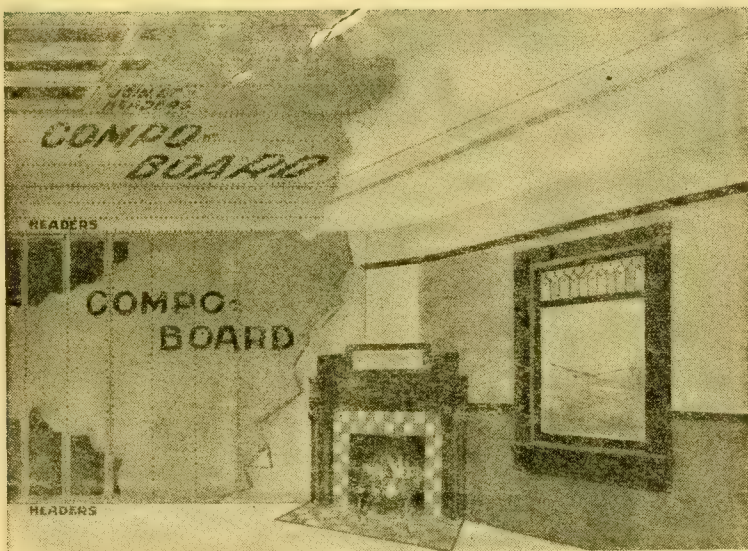
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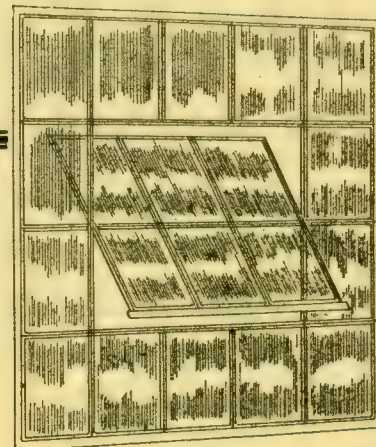
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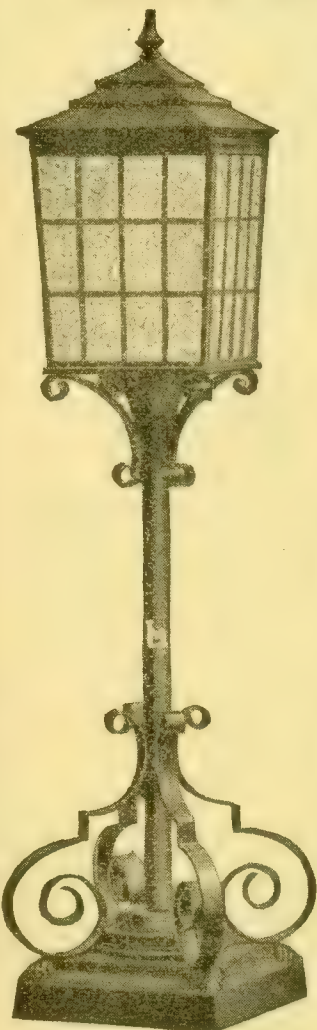
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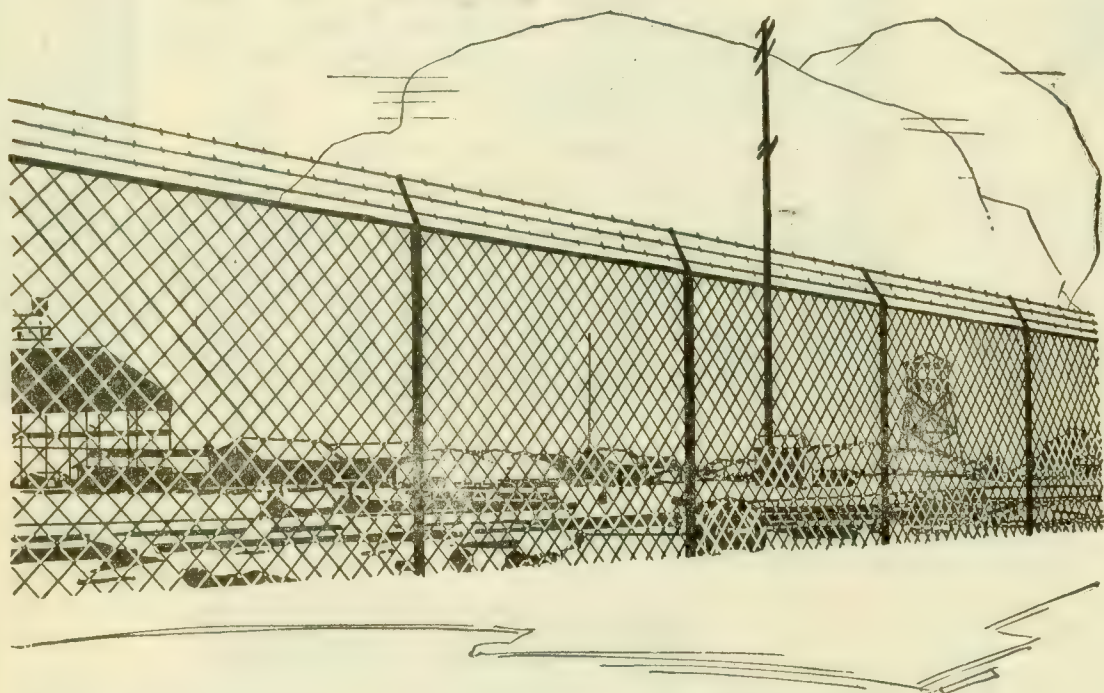
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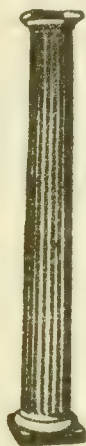
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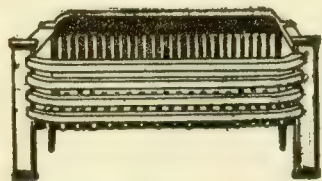
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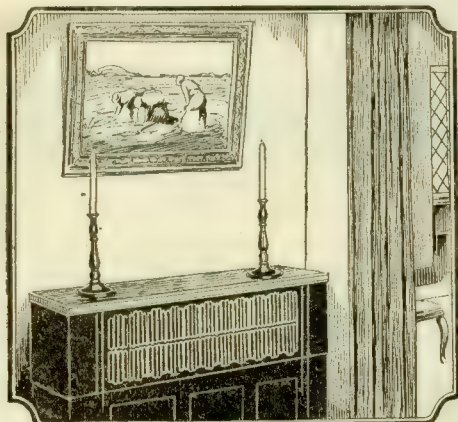
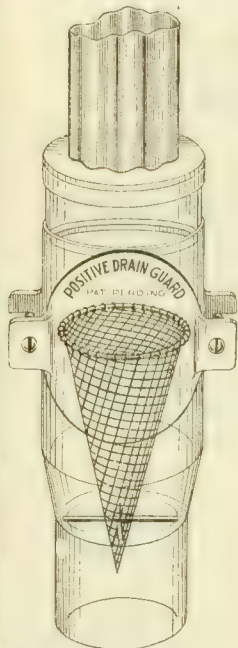
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XL
Number 11

PHILADELPHIA
March 18, 1925

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PUBLISHED WEEKLY
BY

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As The Editor Sees It



IN accordance with the recent decision of the various Exhibit Committees of the National "Own Your Home" Expositions to teach the public good construction practices and the proper uses of certain materials and equipment, houses *in the process of construction* will be featured at the Expositions to be held this Spring in Chicago, New York City, Philadelphia and Buffalo.

The four houses selected for these unique exhibits, as expert examples of small house designs, were selected only after long deliberation on the part of the Exposition Architectural and Building Materials Committees and the examination of hundreds of exceptional architectural plans. These committees considered the adaptability of the designs for the demonstrations planned as well as their architectural charm and the probable material and labor costs of building them.

The front elevations will be completely reproduced on the floor of each exposition, showing part of the roof and several windows. These elevations will be set in old fashioned English rose gardens and give the appearance of finished houses, and the rest of the structures will be shown under the process of construction, presenting striking lessons in how foundations should be laid, walls built and plumbing installed. These exhibits will include side walls showing the use of various materials, cross section displays, and exhibits of products in their

proper relation to other materials used in the modern home.

Such displays will provide visitors with a comprehensive picture of correct construction, educate them in the use of standard materials and products and finally convince them that the properly planned and well built house will have considerably less upkeep and depreciation than the house that is poorly planned and cheaply built.

This appeal to the public to insist that their contractors and builders observe the methods and use the materials exhibited on the Exposition floors will, in the opinion of prominent representatives of the construction and allied trades, do much to raise the standard of American homes built in the future. This campaign is in accordance with the new Code of Ethics prepared by the Exposition management, assisted by the forty national allied professional and trade organizations, city planning and other experts who support the Expositions. This Code covers the standards to be maintained in visualizing the various professions and trades participating in the Expositions and is to be used in the conduct and further development of them.

A four room house designed for the Architects' Small House Service Bureau has been selected for the Chicago Exposition by C. Herrick Hammond, First Vice President of the Illinois Chapter of the American Institute of Architects. The

facade will be built of pink "Elastica" stucco on concrete block with green-blue shutters and a tile roof. The side entrance to the porch, the broken projection of the roof, the casement windows and the old English chimney pots give a distinctive appearance to this design.

Although the floor plan provides for only four rooms, there is a dining alcove that adds space to the living room. No doubt the small family living in this house would use the breakfast nook a great deal, and therefore, have the use of an unusually large living room. The two bedrooms are so arranged as to be a private suit, shut off from the balance of the house. It is possible to enter the kitchen from either one of the bedrooms without going through the living room. An attic is available through a scuttle placed in the rear bedroom closet.

The Building Materials Committee of which Gardner C. Coughlen, American Specification Institute is Chairman; the Concrete House and Cement Products Committee of which Henry Buchholz is chairman; the Heating and Ventilating Committee of which Homer D. Linn, President of the Illinois Chapter of the American Society of Heating and Ventilating Engineers is chairman; the Sanitation Committee of which Joseph W. Cannon, President of the Plumbing Contractors' Association of Chicago, is Chairman, and the Landscape and Garden Committee of which Ralph R. Root, Root

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and Hollister, is chairman, are included among the Chicago Exposition Committees directly in charge of this Exhibit.

A five room house has been designed for the New York Exposition by Arthur C. Holden, member of the American Institute of Architects and Chairman of the Architectural Committee. Like the Chicago house, its long low lines are particularly adapted to the plans of the landscape and Garden Committee to reproduce an old fashioned English rose garden. The exterior finish of the elevation for this house is to be portland cement stucco on concrete block and the problem of the small home builder has been carefully studied in achieving the floor plan for this design. A vestibule with two closets for coats, is at the entrance. There are windows on three sides of the living room, and a large fireplace in the middle of the interior wall. The three French casement windows open out upon the covered porch which is paved in brick. The dining room, adjoining the living room, also has a fireplace, a feature greatly desired by the modern home owner. The kitchen, with its own rear entrance, refrigerator and cellar stairway, is convenient and compact. The master's bedroom has a large closet and adjoins the bathroom. There is also a second smaller bedroom.

In New York also the other Exhibit Committees interested in house construction are supervising the assembling of the exhibits for the display of this house. Colonel Roger D. Black is Chairman of the Building Materials Committee; B. H. Wait, Portland Cement Association, is Chairman of the Concrete House and Cement Products Committee; William J. Olvany, President New York Chapter American Society of Heating and Ventilating Engineers is chairman of the Heating and Ventilating Committee; and David Deigan, Ex-President Master Plumbers' Association, is Chairman of the Sanitation Committee.

In Philadelphia where the building situation is different from in the other cities a twin house has been selected by

the Architectural Committee of which James F. Talbott, member of the American Institute of Architects is Chairman. It will be pointed out to Exposition visitors that this house as an excellent example of the twin house and especially adapted for building in and near Philadelphia is a higher grade house and more to be desired than the solid row type prevalent in that city. The wood lattices on the porch and on the side openings into the small garden gives this house more individuality than in the usual twin house design.

As in the other cities the elevation will be of Portland cement stucco on concrete building block featuring the use of concrete block in party wall construction.

Space in the floor plan of this house has been utilized to the utmost. On the first floor there is a vestibule and small hall leading into a good sized living room and dining room. The living room is provided with a fireplace and built in bookcases and opens on a porch and garden. The placing of the porch, (which will have a concrete tile floor,) at the side of the house gives a desirable privacy. There is a large bedroom and two smaller ones and bathroom on the second floor and two additional bedrooms and bathroom on the third floor, so this house would accommodate a fairly large family.

Emile G. Perrot is Chairman of the Philadelphia Exposition Building Materials Committee directly in charge of this display and the other committees assisting include: The Concrete House and Cement Products Committee of which L. N. Whitcraft, Portland Cement Association is Chairman; The Heating and Ventilating Committee of which R. C. Bolinger, Fowler & Wolf Mfg. Company is Chairman, and the Landscape Committee of which Thomas W. Sears, American Institute of Landscape Architects is Chairman.

The three members of the Buffalo Exposition Architectural Committee have collaborated in achieving the design for

(Continued on page 176)



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Alterations, 2848 North Twelfth street, Philadelphia. Architect and engineer, M. M. Boonin, 1641 Ludlow street, Philadelphia. Owner, D. Darnblum, 721 Walnut street, Philadelphia. Brick, underpinning, 2 stories, heating and roofing repairs, flush bulks. Owner taking bids due as soon as possible.

Office Building and Shop, Clarissa and Bristol streets, Philadelphia. Architect, private plans. Owners, B. Ridgeway & Son, Ninth and Columbia avenue, Philadelphia. Brick, 1 story, 120x58 feet (electric, structural steel sash and foundations, cut stone reserved), slag roof, cement and pine floors, hollow tile, metal lath, rolled steel sash. Owners taking bids due March 18th.

Stadium, Broad street, South of Pattison, Philadelphia. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Department of Public Works, G. H. Biles, 216 City Hall. Owners taking bids due March 24th at noon. Foundation construction, comprising of excavation, concrete, piling, pile capping, bracing for stadium.

Supplies, Philadelphia. Owners, Department of Public Safety, 215 City Hall. Cable, mast arms, poles, galvanized pipe, sleeving, etc. Owners taking bids due March 26th at noon.

Residences and Stores (2), Wyncote and Beechwood streets, \$15,000. Architect, private plans. Owners, Wagner & Saloni, 133 North Twelfth street, Philadelphia. Brick, 2 stories, 17x54 feet, 20x72 feet, hot water heating, electric light, hardwood and pine floors. Owners will build.

Residences (20), Twentieth and Cambria streets, and Lambert street, \$3,800 each. Architect, private plans. Owner, N. Kuslin, 314 South Broad street, Philadelphia. Brick, 2 stories, 15x32 feet, slag roof, hot water heat, electric light. Owner will build.

Apartment, 4628-30 East Wyoming avenue, Philadelphia, \$15,000. Architect, private plans. Owner, John Hogelbaum, 1638 Glenwood avenue, Philadelphia. Brick, 2 stories, 32x50 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Office, Store and Apartment, Frankford avenue and Pike street, Philadelphia. Architect, Karl F. Otto, 1828 Arch street, Philadelphia. Owner, G. Frank H. Fenderling, 3902 Frankford avenue. Brick, 1 story and base-

ment add., 13x27 feet, slag roof, pine floors, heating and lighting alts., plumbing, plate glass. Owner taking bids due as soon as possible.

Art Gallery and Auditorium, 1823 Walnut street, Philadelphia. Architect, Ellery K. Taylor, 1416 Chestnut street, Philadelphia. Owners, Art Alliance, on premises. Brick, 1 story, 30x90 feet, wing 18x28 feet, slag roof, pine floors, metal lath, steel, concrete, plumbing, plastering. Sketches in progress.

Warehouse, Tioga and Richmond streets, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, David Weber & Co., Fifth and Locust streets, Philadelphia. Brick, steel, concrete, 2 or 3 stories. Plans in progress. Too early for details.

Store and Apartments (5), Sixty-third and Market streets, Philadelphia. Architect, William L. Charr, 414-16 Victory Building, Philadelphia. Owner, care of architect. Steel, brick, stone, 3 stories, 25x100 feet, slag roof, hardwood, pine and composition floors, hot water heat, electric light, metal lath, tile and marble work, hollow metal skylights, store fixtures, bond, metal bulks, ornamental iron work, metal ceilings. Plans completed.

Residence (alts. and add.), 1807 Delancey street, Philadelphia. Architect, E. Nelson Edwards, 1012 Walnut street, Philadelphia. Owner, name withheld. General alterations, vapor heat, electric light, plumbing. Plans in progress.

Church (alts.), Chestnut Hill, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Chestnut Hill Baptist Church, Chestnut Hill, Pa. Interior and exterior alterations. Plans in progress.

Residence (alts. and add.), 4911 Catherine street, Philadelphia. Architect, John B. Thompson, 34 South Seventeenth street, Philadelphia. Owner, Dr. William L. Sacrey, on premises. Preliminary plans in progress.

Factory Building (add.), center of Philadelphia. Architect, Christian H. Fries, Rockledge, Pa. Owner, name withheld. Reinforced concrete, 5 stories, 41x163 feet, slag roof, cement floors, heating extension, electric light, hollow metal skylights, fire doors, (1) elevator. Plans in progress, ready for bids in three weeks.

Office and Storage, 2223 Sedgley avenue,

Philadelphia. Architect, private plans. Owners, Hagerty & Sullivan, 34 South Seventeenth street, Philadelphia. Brick, steel, 2 stories and basement, 14x22 feet, slag roof, pine floors, hot water heat, electric light, metal lath. Plans in progress. Owners will build.

Residence Operation, Northeast Boulevard, East of Pratt street, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, George Edel, Castor road and Pratt street, Philadelphia. Brick, 2 stories, 16x53 feet, tile and slag roof, hardwood floors, hot water heat, electric light, tile and marble work. Owner ready for sub-bids.

Store (alts.), Southwest Corner Thirteenth and Reed streets, Philadelphia, \$4,000. Architect, H. Coscia, 1611 South Fifteenth street, Philadelphia. Owners, Bianchi Brothers, Southeast Corner Thirteenth and Reed streets, Philadelphia. Limestone, hot water heat, electric light, composition and hardwood floors, plumbing, metal bulks. Owners will build and are taking sub-bids.

Residence (alts. and add.), 737 West Roosevelt Boulevard, Philadelphia. Architect, private plans. Owner, E. L. Goldner, 23 North Eleventh street, Philadelphia. Brick, 2 stories, 12x12 feet, heating alterations, electric light, tile work, slag roof, pine floors, mill work, plastering, plumbing, painting and glazing. Owner will build and will be ready for sub-bids in one week.

Residences (3 pairs), Hampton road, Chestnut Hill, Pa. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, Judson M. Zane, Land Title Building, Philadelphia. Brick, 2½ stories, 25x35 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Owner taking sub-bids.

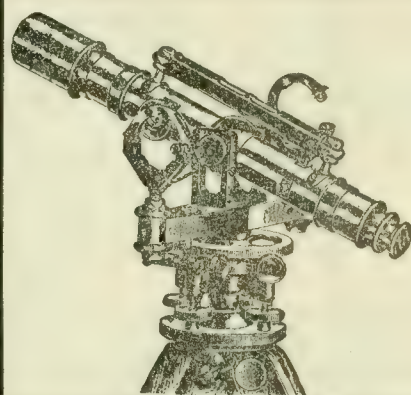
Warehouse (alts.), Northwest Corner Franklin and Poplar streets, Philadelphia. Architect, Fred N. Greisler, 1035 Walnut street, Philadelphia. Owners, H. Sachs Co., on premises. Brick, 3 stories, 40x110 feet, composition and pine floors, electric elevators, carpentry, composition, stone work, rolled steel sash and doors, metal bulks, iron work, stair work, tile work, steam heat, electric light. Architect taking bids due March 19th.

Factory and Storage Building (alts. and add.), 606-08 North American street, Philadelphia. Architect, Max A. Bernhardt, 721

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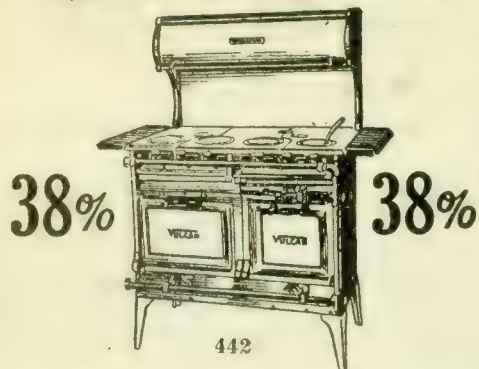
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Walnut street, Philadelphia. Owners, Monroe, Lederer & Taussig, on premises. Brick, steel, 5 stories (plumbing, heating, electric, elevators separate bids), metal lath, fire doors, ornamental iron work, slate partitions, slag roof, maple and cement floors, carpentry and mill work, painting and glazing, plastering. Architect taking bids due March 19th.

Alterations, 1329 Race street, Philadelphia. Architects, H. D. Dagit & Son, 34 South Seventeenth street, Philadelphia. Owners, Dagit Brothers, care of architects. Limestone, cement pavements, carpentry and mill work, metal lath, plastering, plumbing, painting. Architects taking bids due March 20th.

Service Station and Dwelling, Shackamaxon and Girard avenue, Philadelphia. Architect, I. J. Spier, 1304 North Second street, Philadelphia. Owner, J. H. Adelman, Northeast Corner Germantown and Girard avenues. Brick, stucco, 2 stories, 16x50 feet, slate and slag roof, concrete and cement work, tile, composition, hardwood and pine floors, stone work, plastering, mill work, plate glass, demolition, metal bulks, iron work. Owner taking bids due as soon as possible.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, 216 City Hall. Owners taking bids due March 25th, grading, asphalt repaving, redressed granite block, improvement of intersection, Ninth and Roosevelt Boulevard. Paving Bensalem Avenue Bridge, curb and footway work. Paving and repaving alleys.

Boiler House Equipment, Lehigh and Memphis street, Philadelphia. Architects, The Balingier Co., Twelfth and Chestnut streets, Philadelphia. Owners, Hardwick & Magee, on premises. Chimney, breeching, insulation, piping, etc. Architects taking bids due March 23rd.

Bank Building (interior equipment), Ridge and Green Lane, Philadelphia. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Roxborough Trust Co., on premises. Architects taking bids due March 23rd.

Miscellaneous Work, Broad street, South of Pattison, Philadelphia. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Department of Public Works, G. H. Biles, 216 City Hall. Owners taking bids due March 24th at noon. Inquire Room 416. Foundation construction, comprising of excavation, concrete piling, pile capping, bracing for stadium. Deposit \$50. Refund \$50.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Owners taking bids due March 23rd at noon. Inquire 416. Branch sewers, main sewers, reconstruction of sewers in Thirteenth, Iseminger, etc., test borings.

Residences (2), North side Rhawn street, East of Ferndale street, \$5,000 each. Architect, private plans. Owner, Warren A. Smith, 8130 Hennig street, Philadelphia. Brick, 2 stories, 16x41 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (2), Bingham street, North of Oakmont street, Philadelphia, \$4,000 each. Architect, private plans. Owner, Joseph Bernhardt, Fox Chase, Philadelphia. Brick, 2 stories, 15 feet 6 inches x 38 feet 6 inches, hot water heat, electric light. Owner will build.

Service Station, Southwest Corner Ridge avenue and Hermit street, \$5,000. Architect, private plans. Owner, A. Leibovitz, 4045 Baltimore avenue, Philadelphia. Brick, 1 story, irregular shape, slag roof, cement floors, electric light. Owner will build.

Residences (21), West side Marshall street, South of Loudon street, \$95,000. Architect, private plans. Owners, B. Liebman & Son, 717 Butler street, Philadelphia. Brick, 2 stories, 17x32 feet, hot water heat, electric light, hardwood and pine floors. Owners will build.

Garage, Southeast Corner Westmoreland and Belgrade streets, Philadelphia, \$30,000. Architect, private plans. Owner, M. Yaskin (Fernwood Garage), 5938 Baltimore avenue, Philadelphia. Brick, 1 story, 120x85 feet, slag roof, cement floors, steam heat, electric light, steam heat. Owner will build.

Garage, Southeast Corner Longshore and Gillespie streets, Philadelphia, \$30,000. Architect, private plans. Owner, M. C. Yaskin, care of Fernwood Garage, 5938 Baltimore avenue. Brick, 1 story, 75x150 feet, slag roof, cement floors, steam heat, electric light. Owner will build.

Residences (2), East side Martin's Mill road, North of Hellerman street, \$5,000 each. Architect, private plans. Owner, Frank A. Adin, Martin's Mill road and Magee street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (2), East side Eighty-second street, South of Gibson avenue, \$4,500 each. Architect, private plans. Owner, A. Bala-konis, 8139 Dicks avenue, Philadelphia. Brick, 2 stories, 16x48 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (26), Store and Residence (1), Bingham street and Wyoming avenue, Philadelphia, \$123,000. Owner, W. B. Davenport, 6612 Wayne avenue, Philadelphia. Brick, 2 stories, (1) 15x60 feet, (26) 15x27 feet, 12x10 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (7), Third and Calvert streets, Philadelphia, \$36,000. Owner, Edgar M. Davenport, 5905 York road, Philadelphia. Brick,

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2 stories, (2) 16x38 feet, (5) 15x27 feet, 11x10 feet, hot water heat, electric light, slag roof, hardwood and pine floors. Owner will build.

Residences (34), Residences and Store (1), Stenton avenue, Beechwood street, Wyncote street and Sixty-fifth avenue, \$166,000. Owner, John W. Mortimer, 3024 E street, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residence, Southwest Corner Roosevelt Boulevard and Stanwood street, \$8,500. Architect, private plans. Owner, James Janson, 1732 Frankford avenue, Philadelphia. Brick, 2 stories, 31x28 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residence and Office (alts. and add.), 6950 Torresdale avenue, \$7,000. Architect, Joseph Margolis, 1505 Race street, Philadelphia. Owner, Hyman Rubin, 3620 Longshore street, Philadelphia. Brick, 2 stories add., 18 feet 6 inches x 30 feet 6 inches, general alterations. Owner will build.

Garage, East side Sixteenth street, North of Loudon street, Philadelphia, \$5,000. Architect, private plans. Owner, John J. Ryder, Twentieth and Rockland streets, Philadelphia. Brick, 1 story, 37x88 feet, slag roof, cement floors. Owner will build.

Residences (25), Eleventh, Olney avenue and Chew street, Philadelphia, \$166,500. Architect, private plans. Owners, Zerbey & Holloway, 4713 North Broad street, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residences (34), East side Seventeenth street, North of Chew street, \$6,000 each. Architect, private plans. Owner, Max Chipin, 6741 North Gratz street, Philadelphia. Brick, 2 stories, 16x35 feet, 12x21 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences and Garages (28), Fifty-third and Irving streets, Philadelphia, \$202,000. Architect, private plans. Owner, Joseph K. Seidle, 5213 Chestnut street, Philadelphia. Brick, 2 stories, (2) 17x42 feet, (26) 16x31 feet, 13x10 feet, slag roof, hardwood, pine and cement floors, hot water heat, electric light, tile work. Owner will build.

Residences (25), Gratz street and Sixty-sixth avenue, Philadelphia, \$156,000. Architect, private plans. Owner, Joseph Cutler, 1811 North Seventh street, Philadelphia. Brick, 2 stories, (2) 16x50 feet, (23) 16x32 feet, 13x10 feet, hot water heat, electric light. Owner will build.

Residences (2), South side Shelmire street, East of Tabor road, \$4,500 each. Architect, private plans. Owner, Harry W. Schaubel, 7331 Claridge street, Philadelphia. Brick, 2 stories, 14x45 feet, hot water heat, electric

light, hardwood and pine floors. Owner will build.

Residence, South side Magee street, East of Bingham street, \$4,000. Architect, private plans. Owner, J. Russell Reece, 1126 Magee street, Philadelphia. Brick, 2 stories, 16x42 feet, hot water heat, electric light, slag roof, hardwood and pine floors. Owner will build.

Residences (4), West side Dorcas street, North of Bleigh street, \$4,500 each. Architect, private plans. Owner, Henry Hofmaier, 2247 North Fifth street, Philadelphia. Brick, 2 stories, 16x44 feet, hot water heat, electric light, hardwood and pine floors. Owner will build.

Shop, West side Edgewood street, South of Girard avenue, Philadelphia, \$4,000. Architect, private plans. Owner, B. W. Glover, 6050 Girard avenue, Philadelphia. Brick, 1 story, 26x55 feet, slag roof, pine floors. Owner will build.

Residence, 461 Paoli avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Joseph E. J. McGee, 437 Paoli avenue, Philadelphia. Frame, 2 stories, 23x36 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Store and Residence (alts.), Southwest Corner Frankford avenue and Rhawn street, Philadelphia, \$3,500. Architect, private plans. Owner, L. T. Safford, 2010 Welsh road, Philadelphia. General alterations. Owner will build.

Residences (5), 4655-63 Ditman street, Philadelphia, \$21,000 total. Architect, private plans. Owner, Joseph Sobolewski, 4615 Edmund street, Philadelphia. Brick, 2 stories, 16x45 feet and 16x35 feet, 13x11 feet, slag roof, hot water heat, electric light. Owner will build.

Residences (6), 1529-39 North Sixtieth street, Philadelphia, \$6,000 each. Architect, private plans. Owner, Frank A. Fitzpatrick, 1541 North Sixtieth street, Philadelphia. Brick, 2 stories, 15x53 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (6), Chandler street, West of Verree road, \$5,500 each. Owner, Edwin Davis, 7301 Oxford road, Philadelphia. Frame, 2 stories, 26x38 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (2), North side Cottman street, East of Loretta avenue, \$4,200 each. Owners, Louis Leitenberger's Sons, 7345 Oxford avenue, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residences (42), Fifteenth and Grange avenue, Philadelphia. Owner, Samuel J. Kennedy, Kensington avenue and Cumberland street. Brick, 2 stories, 16x42 feet, hot water heat,

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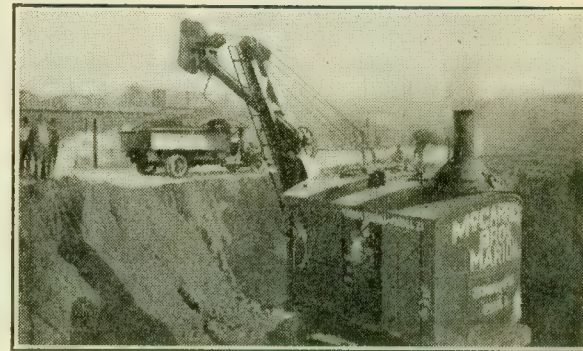
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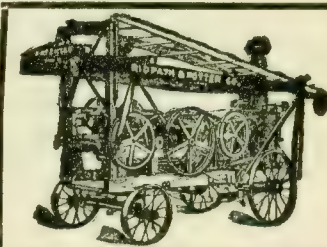


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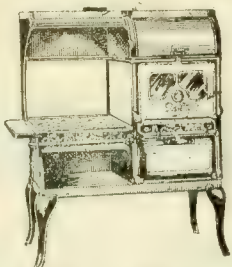
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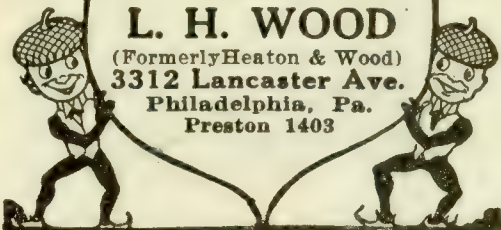
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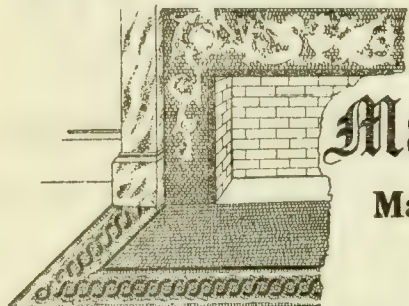
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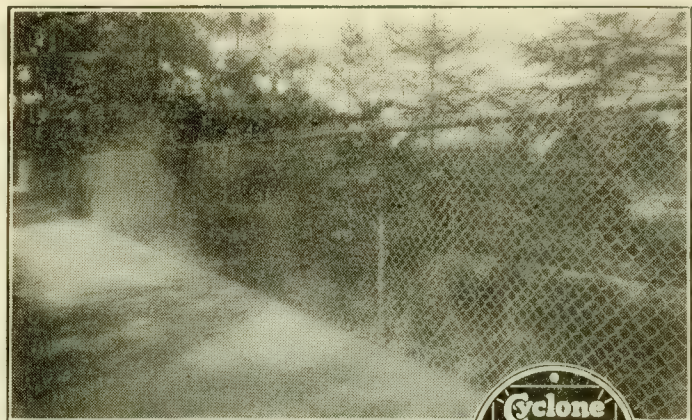
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electric light, tile work, slag roof, hardwood floors. Owner taking sub-bids.

Residence, 6300 North Eighth street, Philadelphia, \$6,500. Owners, Fireproof Const. Co., Eighth and Cheltenham avenue, Philadelphia. Stone, 2 stories, 33x18 feet, hardwood and

pine floors, hot water heat, electric light. Owners will build.

Residence (add.), 5137 North Fifth street, Philadelphia, \$2,500. Owner, M. P. Ruge, on premises. Brick, 2 stories add., 16x16 feet, slag roof, pine floors. Owner building.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence and Store (alts. and add.), 5130 Market street, \$5,000. Architect, private plans. Owner, Dr. D. H. Kabakjian, Lansdowne, Pa. Brick, 2 stories, 4x26 feet and 20x8 feet, general alterations, slag roof, pine floors, electric light. Contract awarded to Joseph Sonnenfeld, 819 North Marshall street.

New Building, 1313 Walnut street. Also **Basement (alts.)**, Bankers' Trust Building. Architect, H. Trumbauer, Land Title Building, Philadelphia. Owners, Albert M. Greenfield & Co., Bankers' Trust Building, Philadelphia. New building, 2 stories, 23x224 feet, bond, cement, concrete, brick, cut stone, terra cotta, structural metal, iron work, carpentry and mill work, plastering, painting and glazing, hardware, plumbing, marble and terrazzo work, cement and pine floors, electric light, steam heat, hollow tile, limestone, granite, waterproofing, safety treads, slag roof, skylights, galvanized iron sash, metal lath, shoring. Contract awarded Ketcham & McQuade, 1029 Brown street, Philadelphia.

Lodge Building, Southwest Corner Sixteenth and Oxford streets, Philadelphia. Architect, E. A. Wightman, Bankers' Trust Building, Philadelphia. Owners, Central Odd Fellows' Hall Association, care of architect. Brick, stone, cut stone, limestone, steel, 4 stories and basement, 157x40 feet, maple and composition floors, hollow tile, plumbing, waterproofing, ornamental iron work, bond, rolled steel sash, metal lath, steam heat, electric light, metal partitions. Contract awarded J. Y. Loux, Fifteenth and Hunting Park avenue, Philadelphia.

Apartment House and Stores, Oxford and Akron streets, Philadelphia. Architects, H. G. Murphy and C. M. Talley, Drexel Building, Philadelphia. Owner, George T. Sales, Liberty Building, Philadelphia. Brick, cut stone, reinforced concrete, 4 stories and basement, triangular in size, 92x48x95 feet, Spanish tile and slag roof, oak floors, elevators, plumbing, electric light, metal lath, tile and elevators, plumbing, electric light, metal lath, tile and marble work, ornamental iron work, ornamental plastering, Murphy beds. Contract awarded

to Rush Brothers, 4682 Darrah street, Philadelphia.

Store, Work Shop and (2) Apartments, 3710 Spruce street, Philadelphia. Architect, Clarence L. Caspary, 1510 Chestnut street, Philadelphia. Owner, David A. Kresge, on premises. Brick, 3 stories, mezzanine and basement, 30x75 feet 9 inches, slag roof, composition, pine and hardwood floors, mill work, cement work, structural steel, plumbing, plastering, metal ceiling, painting, copper bulks, fire escapes, electric light, steam heat. Contract awarded Joseph Cichiny, Inc., 2231 Green street, Philadelphia.

Garage, Twelfth and Locust streets, Philadelphia. Architect, private plans. Owner, A. H. Woldow, 1305 Widener Building, Philadelphia. Brick, steel, 5 stories and basement, 100x100 feet, slag roof, cement floors, rolled steel sash, ramps. Contract awarded Nelson Pedley Const. Co., Corn Exchange Building, Philadelphia.

Bungalow, 652 West Kinsley street, Philadelphia. Architect, Addison H. Savery, 1309 Locust street, Philadelphia. Owner, Charles J. Leirer, 667 West Johnson street, Philadelphia. Stone, brick, rough cast, 1½ stories, 27x56 feet, shingle roof (alts. slate roof), hardwood floors, hot water heat, electric light, tile work. Contract awarded to Bowman & Ralston, 8127 Germantown avenue, Philadelphia.

Addition to Philadelphia Store, Roosevelt Boulevard, Whitaker and Landen streets, Philadelphia. Architects, George C. Nimmons Co., 122 South Michigan avenue, Chicago, Ill. Owners, Sears-Roebuck Co., Chicago, Ill. Brick, limestone, reinforced concrete steel, cut stone, 9 stories and basement, 120x220 feet, merchandise building, shed, 1 story, 27x440 feet, shipping room, 1 story, 120x450 feet, reinforced concrete, asphalt built-up roof, kalamain, concrete and maple floors, metal lath, rolled steel sash, sheet metal skylights, steel doors, iron stairs, ornamental iron work, waterproofing, rolled steel shutters, caissons. Contract awarded Turner Const. Co., 1713 Sansom street, Philadelphia.

Factory, 4841 Lancaster avenue, Philadelphia, \$90,000. Architect, Amos W. Barnes, Perry Building, Philadelphia. Owners, Brooks Brothers, on premises. Brick, stone, steel, 3 stories and basement, 60x108 feet, slag roof, metal lath (plumbing, heating and electric work reserved), also elevators, plank, composition, composition, cement and concrete floors, rolled steel sash, ornamental iron work. Contract awarded Robbins Cont. Co., 1137 North Front street, Philadelphia.

Residences (13), St. Martin's, Pa. Architect, H. L. Duhring, 1309 Locust street, Philadelphia. Owner, Dr. George Woodward, Mt. Airy, Pa. Stone, 2½ stories, 36x45 feet (plumbing, heating, electric reserved), slate roof, oak and pine floors, tile work. Contract awarded J. Riley & Son, Forrest avenue, Mt. Airy, Philadelphia.

Church, Falls of Schuylkill, Philadelphia, \$300,000. Architect, George I. Lovatt, 225 South Sydenham street, Philadelphia. Owners, St. Bridget's Roman Catholic Church, Rev. Monsignor W. J. Walsh, on premises. Stone, brick, cut stone, steel, 1½ stories, 70x97 feet, wing 71x52 feet, tin and slate roof, cement and pine floors, metal lath, metal window guards, waterproofing, ornamental iron work, metal casement sash, bluestone, limestone, cast stone, metal lath (marble, tile and terrazzo work reserved). Contract awarded P. H. Kelly Co., 1713 Sansom street, Philadelphia, but not signed.

Garage, 2507 North Fifth street, Philadelphia. Architect, private plans. Owner, Thomas F. Knoell, 2509 North Fifth street, Philadelphia. Brick, steel, 1 story, 29x43 feet, slag roof, cement floors, steam heat, electric light, hollow metal skylights. Contract awarded Hagerty & Sullivan, 34 South Seventeenth street, Philadelphia.

Garage and Chauffeur's Quarters, 2021 Spruce street, Philadelphia. Architects, Foisom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner, Edgar S. McKaig, on premises. Brick, 2 stories, 33x117 feet, slate roof, pine and cement floors, plumbing, hot water heat, electric light, rolled steel sash, composition, oak floors, plumbing, architectural terra cotta, ornamental iron work, brick and bronze work, tile and marble work. Contract awarded H. G. Dahl, 231 South Eighth street, Philadelphia.

Building (alts. and add.), 1628 Locust street, Philadelphia, \$15,000. Architect, Spencer Roberts, 10 South Eighteenth street, Philadelphia. Owner, M. W. Liedholm, on premises. Brick, 4 stories, 33x20 feet, slag roof, brick work, mill work, tile work, cement work, plastering, stair work, iron work, slag roof, steel sash, painting, plumbing, rubber tile floors. Contract awarded Frank E. Wallace, 337 South Camac street, Philadelphia.

Schools, Philadelphia. Architect, I. T. Catherine, Nineteenth and Chestnut streets, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Contracts awarded: McCloskey Co., 1620 Thompson street, Philadelphia, \$833,824.

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Plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$32,986. Heating, Mellon Co., 4415 Ludlow street, Philadelphia, \$77,977. Ventilating, S. Faith & Son, 2427 Pennsylvania avenue, Philadelphia, \$6,274. Electric, Walker-Kepler, 531 Chestnut street, Philadelphia, \$67,975. Northeast High, Kaufman Const. Co., Pennsylvania Building, \$460. Southern High, William Langhorne, 10 South Eighteenth street, \$987. Finletter, E. V. Goldhahn, 4335 Chestnut street, \$1,018.

Shop and Dwelling (alts. and add.), 1534 North Lambert street, Philadelphia. Architect, private plans. Owner, care of builders. Brick, steel, 2 stories, rear addition, size of building, 18x63 feet, slag roof, pine floors, carpentry, mill work, sheet rock, plastering, painting, cement, mill work, electric, metal lath, ornamental iron work. Contract awarded I. Alterman, 1737 North Thirty-second street, Philadelphia.

Garage, 142-44 North Vodges street, Philadelphia, \$5,000. Architect, private plans. Owner, Alex. Cowan, 552 North Sixty-third street, Philadelphia. Brick, 1 story, 60x40 feet, slag roof, cement floors, electric work. Contract awarded to J. R. Cowan, 552 North Sixty-third street, Philadelphia.

Garage, 1713-25 Brandywine street, Philadelphia, \$5,000. Architect, private plans. Owner, George W. Boyer, 1406 Real Estate Trust Building, Philadelphia. Brick, 1 story, 115x32 feet, 123x16 feet, slag roof, cement floors. Contract awarded to F. C. Borel, Jr., 5426 Vine street, Philadelphia.

Garage, 879-81 North Fortieth street, Philadelphia, \$4,000. Architect, private plans. Owner, Mrs. F. Fracca, 885 North Fortieth street, Philadelphia. Brick, 1 story, 10x20 feet, 18x72 feet, slag roof, cement floors. Contract awarded to Thomas Flynn, 428 East Edgewood street, Philadelphia.

Store and Residence (add.), 2049 East Hagert street, Philadelphia, \$3,000. Owner, E. McHugh, 2462 Amber street, Philadelphia. Brick, 3 stories add., 17x42 feet, slag roof, pine floors. Contract awarded to A. Rosenberg, 1918 East Orleans street, Philadelphia.

Apartment House, 5562-64 Baltimore avenue, Philadelphia, \$36,000. Architect, private plans. Owner, Harry T. Forbes, 5600 Baltimore avenue, Philadelphia. Brick, 3 stories, 24x80 feet, 14x8 feet, slag roof, hardwood and pine floors, electric light, steam heat, tile work. Contract awarded to Charles R. Davis & Son, 1500 Ellsworth street.

Residence and Store, West side Torresdale avenue, South of Longshore street, \$14,000. Architect, private plans. Owner, Louis Schneider, 6808 Torresdale avenue, Philadelphia. Brick, 2 stories, 20x62 feet, 16x21 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to John W. Emory Co., 34 South Sixteenth street, Philadelphia.

Office, Store and Storage, Southwest Corner Third and Catherine streets, \$9,500. Architect, private plans. Owner, Dr. Eli Bortin, Southeast Corner Third and Catherine streets, Philadelphia. Brick, 3 stories, 15x37 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Charles R. Davis & Son, 1500 Ellsworth street.

Shop, Southwest Corner Front and Olney avenue, Philadelphia, \$6,750. Architect, private plans. Owners, Grundy & Svenson, Fifth and Rockland streets, Philadelphia. Brick, 1 story, 35x60x25 feet, slag roof, pine floors. Contract awarded to Watt Const. Co., 4826 North Leithgow street.

Work Shop, 742-44 Medina street, Philadelphia, \$3,100. Architect, private plans. Owner, Joseph Giorgio, Southwest Corner Twenty-fourth and Tasker streets, Philadelphia. Brick, 1 story, 26x40 feet, slag roof, pine floors, electric light. Contract awarded to N.

Brandolino, 1412 South Fifteenth street, Philadelphia.

Residence (add.), 1411 South Beulah street, Philadelphia, \$2,000. Architect, private plans. Owner, Francisco Padullo, on premises. Brick, third story add., 14x22 feet, slag roof, pine floors. Contract awarded to Joseph Piroso, 622 Fitzwater street, Philadelphia.

Garage (add.), Northeast Corner Palethorpe street and Clarkson avenue, \$2,000. Architect, private plans. Owner, James Donato, 5511 North Second street, Philadelphia. Brick, 1 story add., 4x40 feet, slag roof, cement floors, electric light. Contract awarded to Fred M. Dillman, 212 West Nedro avenue, Philadelphia.

Tank Tower and Tank, Northeast Corner Aramingo avenue and Cumberland street, \$6,000. Architect, private plans. Owners, John T. Lewis & Bros. Co., on premises. Steel. Contract awarded to Pittsburgh-Des Moines Steel Co., 50 Church street, New York.

Garage, 1714 West Tioga street, Philadelphia, \$5,500. Architect, private plans. Owner, Mrs. Sarah Kelso, on premises. Brick, 1 story, 125x25 feet, slag roof, cement floors. Contract awarded to A. Walcian, 1527 Ridge avenue, Philadelphia.

Rooming House (alts.), 115-17 South Nineteenth street, Philadelphia, \$5,000. Architect, private plans. Owner, M. Brown, 1532 Sansom street, Philadelphia. General alterations. Contract awarded to A. Miller, 5040 North Camac street, Philadelphia.

Residence and Store (add.), Southwest Corner Seventeenth and Poplar streets, \$3,390. Architect, private plans. Owner, Herman Engel, Seventeenth and Poplar streets, Philadelphia. Brick, 2 stories add., 18x21 feet, slag roof, pine floors. Contract awarded to Northeast Const. Co., 4433 Griscom street.

Store and Residence (alts.), Southwest Corner Eleventh and Girard avenue, \$3,000. Owner, A. W. Rosenbloom, Southeast Corner Eleventh and Girard avenue, Philadelphia. General alterations. Contract awarded to A. Frank, 1522 South Sixth street, Philadelphia.

Manufacturing Building, 1745 North Twelfth street, Philadelphia, \$2,800. Owners, Voight Co., on premises. Brick, 1 story, 29 feet 8 inches x 51 feet, slag roof, pine floors. Contract awarded to Steel & Wike Co., 533 North Thirteenth street.

Residence, North side Shawmont avenue, West Henry avenue, Philadelphia, \$10,500. Architect, private plans. Owner, Norman Da-

vis, 3914 Manayunk avenue, Philadelphia. Stone, 2 stories, 31x26 feet, 1 story, 10x10 feet, hot water heat, electric light, hardwood and pine floors, tile work. Contract awarded to E. R. Clark, 556 Walnut Lane, Philadelphia.

Residence (1), Residence and Store (1), Levick and Bingham streets, \$15,000 total. Architect, private plans. Owner, Charles E.

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Construction News

Staub, 6418 Bingham street, Philadelphia. Brick, 1 story, 16x42 feet and 16x50 feet, hot water heat, electric light, tile work, hardwood and pine floors. Contract awarded to C. C. Campbell, 6419 Bingham street, Philadelphia.

Business Building (alts. and add.), 5821-23 Germantown avenue, \$8,700. Architect, private plans. Owner, Charles Marion, 5015 North Eighth street, Philadelphia. Brick, 1 story add., 7x29 feet, general alterations. Contract awarded to Pehman & Chapman, 1741 North Lindenwood avenue.

Hospital (add.), Southeast Corner Thirty-third and Powelton avenue, Philadelphia, \$6,000. Architect, private plans. Owners, Oncology Hospital, on premises. Brick, 1 story laundry add., 20x42 feet, slag roof, electric work. Contract awarded to Jacob Myers & Sons Co., Witherspoon Building.

Residence (add.), 3959 Baltimore avenue, Philadelphia, \$5,000. Architect, private plans. Owner, John Feltz, 3237 St. James street, Philadelphia. Brick, 2 stories, 22x51 feet, 1 story, 22x33 feet, slag roof, pine floors. Contract awarded to A. G. Morlock, 1010 South St. Bernard street.

Residences (2), East side Algon street, South of Cottman street, \$5,000 each. Architect, private plans. Owner, Jacob Muller, 2029 East Buckius street, Philadelphia. Frame and stucco, 2 stories, 16x45 feet, hot water heat, electric light, tile work. Contract awarded to Emil Hier, 3025 Memphis street, Philadelphia.

Residences (2), East side Pierce street, North of Church street, \$4,500 each. Architect, private plans. Owner, John Gonseacki, Pierce street, Frankford, Philadelphia. Brick, 2 stories, 16x50 feet, hot water heat, electric light. Contract awarded to Felix Tatko, 5103 Edmund street, Philadelphia.

Residence, South side Longshore street, West of Godfrey avenue, \$4,000. Architect, private plans. Owners, Ryan & Brunner, 3238 North Front street, Philadelphia. Frame, 2 stories, 24x30 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to George Bertram, 5911 North Warnock street, Philadelphia.

Office, 2514 Lombard street, Philadelphia, \$2,000. Architect, private plans. Owners, P. R. T. Co., Eighth and Dauphin streets, Philadelphia. Brick, 1 story, 24x22 feet, slag roof, pine floors. Contract awarded to Henderson & Bro., 2507 South street, Philadelphia.

Store and Residence (alts.), Southeast Corner Chadwick and Moore streets, \$2,000. Architect, private plans. Owner, R. Di Guiseppe, on premises. General alterations. Contract awarded to N. Mangramele, 1646 South Sixteenth street, Philadelphia.

A certain wallboard man advertised in the Guide for awhile and then dropped out. We've had a dozen inquiries since then, asking for his address—every inquiry from a cash buyer. This is a common occurrence. It's hard to make some advertisers see the vital importance of a standing "ad."

Semi-Detached Residences (24), Llanerch Hill, Delaware County, Pa. Architect and engineer, M. M. Boonin, 1641 Ludlow street, Philadelphia. Owner, Julius Berman, 6019 Market street, Philadelphia. Stone, stucco, 2 stories, 16x32 feet, shingle and slag roof, oak and composition floors, hot water heat, electric light, tile bath. Owner taking sub-bids due as soon as possible.

Furniture Store, West Chester, Pa. Architect, Ira P. Orlick, 1312 South Fifth street, Philadelphia. Owner, William J. Kauffman, West Chester, Pa. Brick, cut stone, steel, reinforced concrete, 3 stories and basement, 167x30 feet (plumbing, heating, electric, elevator reserved), slag roof, maple floors, metal lath, marble and terrazzo work, rolling steel doors, metal ceilings, ornamental iron work, metal window frames, ornamental bronze. Owner taking bids due March 24th.

Residence and Garage, Drexel Hill, Pa. Architects, MacKenzie & Wiley, Bankers' Trust Building, Philadelphia. Owner, F. S. Jones, Jones Machine Tool Works, Fifty-third and Lansdowne avenue. Stone, concrete block, frame, stucco, 2½ stories, 53x62 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Architects taking sub-bids due as soon as possible.

Residence and Garage, Norristown, Pa. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, Aaron L. Swartz, Jr., Norristown, Pa. Stone, 2½ stories, 27x59 feet, shingle roof, hardwood and cement floors, hot water heat, electric, tile work. Architect taking bids due as soon as possible.

Residences (alts.), West Chester, Pa. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, J. H. Mackelduff, West Chester, Pa. Concrete block, stucco, 2 stories and basement, 20x15 feet, Johns Mansville and canvas roof, oak floors, plumbing, heating addition, electric light, tile work. Architects taking bids due as soon as possible.

Road Work, Pennsylvania. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa. Low bidders on road work opened March 13th, 1925:

Lawrence County, R-265-264, A-3332, Enon Valley Borough, North Beaver and Little Beaver Townships, 27,673 feet. One course reinforced concrete. Colonial Const. Co., Pittsburgh, Pa., \$218,425.87.

Dauphin County, A-692, 2790, East Hanover Township, 10,135 feet. One course reinforced concrete. Continental Cont. Co., Baltimore, Md., \$83,794.60.

Westmoreland County, R-181, A-3003, East Huntingdon Township, 18,292 feet. One course reinforced concrete. J. I. Dick, Scottsdale, Pa., \$148,265.05.

Westmoreland County, R-302, Sec. 1, Ligonier Township, 5,400 feet. One course re-

inforced concrete. W. H. Nicely & Co., Ligonier, Pa., \$47,658.

Clearfield County, A-2044, Huston Township, 10,560 feet. One course reinforced concrete. Joseph Wiesner, St. Mary's, Pa., \$81,294.53.

Crawford County, R-271, A-3286, 3278, Riceville Borough, Bloomfield, Athens, Rome Townships, 41,064 feet. One course reinforced concrete. Connell, Laub & Bracht, Dayton, Ohio, \$322,498.

Westmoreland County, R-302, Sec. 2, St. Clair Township, 6,311 feet. One course reinforced concrete. Penn Cont. Co., Connellsville, Pa., \$64,004.95.

Allegheny County, R-247, Castle Shannon Borough, 8,613 feet. One course reinforced concrete. Meredith & McVaugh, Detroit, Mich., \$145,069.65.

Westmoreland County, R-348, A-3002, Washington and Bell Townships, 25,840 feet. One course reinforced concrete. Cooper Const. Co., Inc., Clymer, Pa., \$247,698.60.

Pike County, R-7, Palmyra, Blooming Grove and Lackawanna Townships, 51,799 feet. Grading and drainage. Snead & Burgess, Fork Union, Virginia, \$135,856.35.

Warren County, R-89, A-2977, 3271, Pittsfield Townships, 31,380 feet. Either bituminous surface course on concrete foundation or one course reinforced concrete. Forness & Tower, Olean, N. Y., \$234,239.32.

Wayne County, R-335, Texas, Berlin and Damascus Townships, 55,958 feet. One course reinforced concrete. C. W. Blakeslee & Sons, New Haven, Conn., \$532,906.36.

McKean County, R-211, Sec. 1, Keating and Eldred Townships, 24,725 feet. Either bituminous surface course on concrete foundation or one course reinforced concrete. Fred D. Ross, Bradford, Pa., \$270,215.73.

Allegheny County, R-70, Tarentum Borough. One course reinforced concrete. Thomas W. Munro & Co., DuBois, Pa., \$51,075.45.

Perry County, R-275, Watts, How and Buffalo Townships, grading and drainage. S. J. Groves & Sons Co., Minneapolis, Minn., \$379,363.20.

Armstrong County, R-71, Sec. 2, West Franklin Township, Worthington Borough. One course reinforced concrete. C. Winters Const. Co., Renfrew, Pa., \$172,261.60.

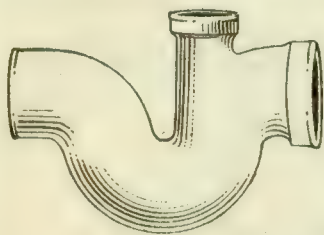
School Building, Stonehurst Hill, Upper Darby, Delaware County, Pa. Architect, not yet selected. Owners, Upper Darby Board of Education, J. Milton Lutz, Upper Darby. Work contemplated.

Swimming Pool, Berwyn, Pa. Architect, E. Nelson Edwards, 1012 Walnut street, Philadelphia. Owner, Harrison S. Hires, Berwyn, Pa. Concrete, 20x60 feet. Plans in progress.

Residence, Rosemont, Pa. Architect, Louis H. Rush, 34 South Seventeenth street, Philadelphia. Owner, Charles Davis, Rosemont, Pa. Stone, 2½ stories, 38x52 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Residence (alts. and add.), Radnor, Pa. Architects, Bissell & Sinkler, 1520 Locust street, Philadelphia. Owner, Carroll Hodge, Radnor, Pa. Stone, 2½ stories, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans in progress.

Store and Apartment (alts. and add.), Lititz, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owner, John Tremmer, Lititz, Pa. Brick, 3 stories, 32x100 feet, slag roof, pine floors, heating extension, electric light, plate glass, copper work. Plans in progress.



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Residence, Lititz, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owner, G. H. Hershey, Lititz, Pa. Brick, 2½ stories, 30x42 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Stores (alts. and add.), Lititz, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, Spacht Furniture Co., Lititz, Pa. Brick, 3 stories add., general interior alterations. Plans in progress.

Residence, Lancaster, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owner, Charles E. Wisner, 515 East Chestnut street, Lancaster, Pa. Hollow tile, stucco, 2½ stories, 62 feet 7 inches x 28 feet 6 inches, slate roof, hardwood floors, vapor heat, electric light, tile and marble work. Architect ready for bids.

Residence and Garage, Radcliffe road, Cynwyd, Pa. Architect, J. L. Conaroe, 225 South Sydenham street, Philadelphia. Owner, name withheld. Hollow tile, frame, 2½ stories, 45x25 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Plans about completed.

Bungalow, Colonial Acres, Harrisburg, Pa. Architects, Johnson & Starr, Spooner Building, Harrisburg, Pa. Owner, G. E. Hoff, care of architects. Stucco, 1½ stories, 31x47 feet, slate roof, hardwood floors, hot water heat, electric light. Plans in progress.

Residence, Bellevue Park, Harrisburg, Pa. Architects, Kast & Kelser, 222 Market street, Harrisburg, Pa. Owner, A. L. Adderton, 22 North Nineteenth street, Harrisburg, Pa. Stone and frame, 2½ stories, 34x41 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans completed.

Odd Fellows' Hall, Lynwood, Pa. Architect, Clarence Brazier, Crozer Building, Chester, Pa. Owners, Farmers' and Mechanics' Lodge, I. O. O. F., care of architect. Brick, steel, 3 stories, 30x90 feet, built-up roof, hardwood and pine floors, hollow tile, waterproofing and dampproofing, ornamental iron work, steam heat, electric light, metal lath, tile and marble work. Plans in progress.

Recreation Center and Swimming Pool, Chester River, Barclay street from Tenth to Twelfth, Chester, Pa., \$100,000. Owners, National Swimming Pool Corporation of New York, care of Mayor S. E. Turner, Chester, Pa. Locker rooms, dressing rooms, landscaping, concrete walks and fountains, band stand, pool, concrete, 140x140 feet. Work contemplated.

Residence, Elkins Park, Pa. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, J. Solis Cohen, care of architect. Stone, hollow tile, stucco, 3 stories, 55x80 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans completed, ready for bids.

Residence and Garage, Wynnewood, Pa. Architect, J. L. Conaroe, 225 South Sydenham street, Philadelphia. Owner, name withheld. Frame, hollow tile, 2½ stories, 70x30 feet, 22x24 feet, shingle roof, hardwood and cement floors, hot water heat, electric light, tile work. Plans in progress.

Warehouse, Bethlehem, Pa. Owners, Walls, Owen, Stambach, Eleventh and Ridge avenue, Philadelphia. Site purchased. Work contemplated.

Bank and Apartment Building, Mauch Chunk, Pa. Architect, M. G. Prutzman, Mauch Chunk, Pa. Construction engineers, Hollar Co., Philadelphia Bank Building, Philadelphia. Owners, Mauch Chunk National Bank, I. Ross, president, Mauch Chunk, Pa. Brick, stone, 3 stories, 55x100 feet. Plans in progress.

Fire House, Diamond avenue and Cleveland street, Hazleton, Pa. Architect, John B. Thompson, 34 South Seventeenth street, Philadelphia. Owners, City of Hazleton, Hazle-

ton, Pa. Brick, limestone, 2 stories and basement, 30x70 feet, built-up roof. Plans in progress.

Fire House, Hazleton Heights, Pa. Architect, John B. Thompson, 34 South Seventeenth street, Philadelphia. Owners, City of Hazleton, Hazleton, Pa. Brick, limestone, 2 stories and basement, 30x70 feet, built-up roof. Plans in progress.

Church (alts.) and Sunday School, Lancaster, Pa., \$60,000. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. Andrew's Reformed Church, Lancaster, Pa. Brick, 1 story, basement and gallery. Architects selected.

Church, Scranton, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. Peter's Lutheran Church, Rev. Bernard Bohrer, Scranton, Pa. Stone, 1 story and basement. Architects selected.

School, Branchdale, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, Star of the Sea Roman Catholic Church, Rev. J. O'Brien, Branchdale. Frame and steel, 2 stories, 80x54 feet, composition roof, pine floors, steam heat, electric light, iron stairs. Plans in progress.

Bank and Office Building, Baltimore and Lansdowne avenues, Lansdowne, Pa. Architects Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owners, Lansdowne Trust Co., Lansdowne avenue and Pennsylvania Railroad, Lansdowne, Pa. Stone, steel, concrete, brick, 4 stories. Sketches being drawn.

Residences (18), Manoa, Delaware County, Pa. Architect, private plans. Owner, William M. Hart, Highland Park, Delaware County, Pa. Stone, stucco, 2½ stories, hot water heat, electric light, tile work, shingle roof, hardwood floors. Owner taking sub-bids. Work about to start.

School, Shenandoah, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owner, Rev. J. Mickum, 229 North Jardin street, Shenandoah, Pa. Frame, 3 stories, 30x26 feet, composition roof, pine floors (heating and plumbing reserved), electric light. Owner taking bids.

Convent (alts. and add.), Shenandoah, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owner, Rev. John Mickum, 229 North Jardin street, Shenandoah, Pa. Brick, frame, third story add., 30x55 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Owners taking bids.

Rectory (alts. and add.), Shenandoah, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owner, Rev. John Mickum, 229 North Jardin street, Shenandoah, Pa. Brick, frame, third story add., 25x40 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Owners taking bids.

Church, Swedesburg, Norristown, Pa. Architect, L. H. Giele, 1123 Broadway, New York City. Owners, Polish Church, Sacred Heart, Rev. Martin Maciejowski, Bridgeport, Pa. Stone, 1 story and basement, 58x110 feet, slate roof, wood floors, steam heat, electric light. Plans about completed. Owners will take bids in a few months.

Garage, Minersville, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owner, William Frantz, Minersville, Pa. Brick, steel, concrete, 2 stories, 50x66 feet, slag roof, concrete floors, hollow tile, roof ventilators, fire doors, steel sash, metal lath, steam heat, electric light. Owner will sub-let.

School (add.), Greensburg, Pa. Architects, M. E. Kressley Co., 214 North Third street, Harrisburg, Pa. Owners, Greensburg School Board, Mary R. Peoples, secretary, Greensburg, Pa. Fireproof, 2 and 3 stories and basement, 160x260 feet, composition and tile roof, composition and wood floors, hollow tile, roof

ventilators, waterproofing, dampproofing, ornamental iron work, iron stairs, bond, fire doors, hollow metal skylights, rolled steel sash, tile work, metal lath (heating, plumbing and electric separate). Owners will take bids at end of month due April 14th.

Residences (400), Burd Tract, West Chester Pike, Upper Darby, Pa. Architect, private plans. Owner, J. N. Mitchell, 47 South Farragutt Terrace, Philadelphia. Stone, brick, hollow tile, stucco, 2½ stories, various sizes, slag, slate, shingle, tile roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans in progress. Owner will be ready for sub-bids on first 100 in 6 weeks.

Store and Apartment (alts. and add.), Fox Chase, Pa. Architect, Christian H. Fries, Rockledge, Pa. Owner, name withheld. Brick, 2 stories, electric light, tile work, hardwood floors, sheet metal work, plumbing, plate glass, plastering, painting and glazing, metal bulks. Plans in progress. Ready for bids in 3 weeks.

Store and Apartment, Shamokin, Pa. Architect, William H. Lee, 1505 Race street, Philadelphia. Owners, J. J. Newberry Co., 287 Broadway, New York. Brick, terra cotta, 3 stories, 25x160 feet, built-up slag roof, elevators, pine floors, incinerators, plumbing, plate glass, metal bulks, hollow metal skylights, tile work, vapor heat, electric light. Ready for bids in one week.

Residences (14), Manoa, Delaware County, Pa. Architect, private plans. Owners, Seely Co., 1504 Locust street, Philadelphia. Brick, steel, 2 stories, 16x40 feet. Garage, 1 story, 113x40 feet, (4) Stores and Apartments, 2 stories, 17x50 feet, slag roof, oak and cement floors, hot water heat, electric light, metal lath, tile work, galvanized iron skylights, terra cotta copings, ornamental iron work, cast stone. Owners taking sub-bids due March 18th.

Bungalow, Alden, Delaware County, Pa. Architect, A. C. Borzner, 717 Walnut street, Philadelphia. Owner, George Ellis, Alden, Pa. Frame and stucco, 1½ stories, hot water heat, electric light, tile work, shingle roof, hardwood floors. Owner will build and is ready for sub-bids.

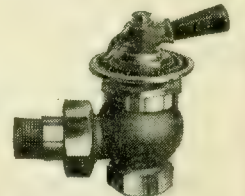
Residence, Summerton, Pa. Architect, A. C. Borzner, 717 Walnut street, Philadelphia. Owner, William Mellor, 6829 Ditman street, Philadelphia. Frame and stucco, 2 stories, 28x36 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Owner will be ready for sub-bids in one week.

Bungalow, Strafford, Pa. Architect, A. C. Borzner, 717 Walnut street, Philadelphia. Owner, T. B. Haggerty, Strafford, Pa. Frame, 1½ stories, hot water heat, electric light, shingle roof, hardwood floors. Owner taking sub-bids.

Nurses' Home, Pottstown, Pa. Architect, Frederick A. Muhlenberg, Fifth and Walnut streets, Reading, Pa. Owners, Pottstown Hospital, Pottstown, Pa. Brick, cast stone, steel, 2 stories and basement, 102x36 feet, slag roof,

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cement and maple floors, hollow tile, metal weather strip, waterproofing, ornamental iron work, iron stairs, bond, fire and kalamein doors, rolled steel skylights and sash, tile and marble work, sheet steel, toilet partitions, mastic floors. Architect taking bids due March 20th.

Building (add.), Williamsport, Pa. Architect, F. Arthur Rianhard, Masonic Temple, Williamsport, Pa. Owners, Williamsport Turn Verein, Williamsport, Pa. Architect taking bids due March 21st before noon.

John Harris High School, Twenty-fifth and Market streets, Harrisburg, Pa. Architects, Lappley & Hornbostel, Ebner Building, Harrisburg, Pa. Owners, Harrisburg School Board, 121 Chestnut street, Harrisburg, Pa. Stone, 1 and 2 stories, 60x350 feet, 60x310 feet, 70x140 feet, 80x240 feet and 200x250 feet, composition roof, hollow tile, safety treads, roof ventilators, waterproofing and dampproofing, terra cotta, ornamental iron work, iron stairs, fire doors, skylights, tile and marble, metal lath (heating, electric, plumbing separate). Owners taking bids due April 13th.

Parish House, Allentown, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. Peter's Lutheran Church, Allentown, Pa. Brick, hollow tile, steel, 2 stories, basement and mezzanine, 79x58 feet, slate or composition roof, hardwood floors, safety treads, waterproofing and dampproofing, leaded glass, plumbing, metal lath, electric light, vapor heat. Owners taking revised bids.

Parish House, Lansdale, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. John's Reformed Church, Lansdale, Pa. Owners taking revised bids.

Warehouse, Fifth and Upland streets, Chester, Pa. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owners, William E. Headley Co., on premises. Reinforced concrete, steel, 5 stories and basement, 101x126 feet (elevator, electric light, heating reserved), Carey Feltex roof, cement floors, hollow tile, plumbing, dampproofing, ornamental iron work, bond, copper bulks, bond, hollow metal doors, rolled steel sash, metal lath, vault doors. Architect taking bids due March 23rd at noon.

Bridge No. 89, Mt. Carbon, across Schuylkill on State Highway, Route No. 141, Pa. Owners, Controller of Schuylkill County, County Commissioners, care of J. E. Schlottman, Pottsville, Pa. Reinforced concrete, steel, double 71-foot span with pier. Deposit \$10. Refund \$10. Owners taking bids due March 26th, 11.30 A. M. Plans may be had at the County Commissioner's office.

Residence and Garage, Front and Wisconsin, Harrisburg, Pa., \$60,000. Architects, Mellor, Meigs & Howe, 205 South Juniper street, Philadelphia. Owner, Ralph J. Baker, Telegraph Building, Harrisburg, Pa. Stone, 2½ stories, 23x82 feet, wing 13x16 feet, 11x14 feet, 20x21 feet, garage, 21x24 feet, slate roof, hardwood, cork and cement floors, flagstone, hot water heat, electric light, tile work. Architect taking bids due March 31st.

Silk Mill, Lancaster, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owners, Siehli Silk Co., care of architect. Structural steel, brick, 3 stories, 162x44 feet, Barrett roof, cement, linoleum floors, waterproofing and dampproofing, steam heat, electric light, rolled steel sash. Architect taking bids due about March 27th.

Residence and Garage, Wynnewood, Pa. Architects, Charles Barton Keen and Wallace, 338 South Smedley street, Philadelphia. Owner, Herbert K. Ball, Wynnewood, Pa. Hollow tile, stucco, 2½ stories, slate roof, hardwood floors (heating, plumbing, tile work, electric

reserved). Architect taking bids due March 26th at noon.

Junior and Senior High School, Wayne, Delaware County, Pa. Architect, I. T. Catharine, Nineteenth above Chestnut street, Philadelphia. Owners, School District Radnor Township, E. E. Trout, secretary, Radnor, Pa. Brick, steel, 2 stories, 197x184 feet (plumbing, heating, electric reserved), slag roof, cement, maple and Carter blockonend floors. Low bidders: M. Melody & Son, 1322 Race street, Philadelphia, \$507,000. Plumbing, S. Faith & Son, 2427 Pennsylvania avenue, \$34,625. Heating, N. Connolly, 1404 North Eighteenth street, Philadelphia, \$79,707. Electric, E. V. Goldhahn, 4335 Chestnut street, \$27,600. Ventilating, Mellon Co., 4415 Ludlow street, Philadelphia, \$3,200.

Road Work, Pennsylvania. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa. Owners taking bids due March 17th at 10 A. M.

Bedford County, R-48, Sec. 3 and 4, Cumberland Valley Township, 63,525 feet. One course reinforced concrete. Certified check, \$4,000.

Blair County, R-57, Snyder Township, 1,372 feet. Grading and drainage. Certified check, \$1,500.

Clarion County, R-214, A-3150, Madison Township, 22,205 feet. One course reinforced concrete. Certified check, \$3,500.

Huntingdon County, R-121, 122, Orbisonia, Shade Gap Boroughs, Dublin, Cromwell and Shirley Townships, 49,445 feet. One course reinforced concrete. Certified check, \$4,000.

Jefferson County, R-358, A-2123, McCallmount Township, 8,184 feet. One course reinforced concrete. Certified check, \$2,000.

Jefferson County, R-63, 357, A-3124, 3126, Young and Perry Townships, 10,302 feet. One course reinforced concrete. Certified check, \$2,000.

Lebanon County, A-2213, 2212, South Lebanon Township, Known Heidelberg Township, 23,885 feet. One course reinforced concrete. Certified check, \$3,500.

Northumberland County, R-259, Sec. 1, A-3268, Milton Borough, 1,479.5 feet. One course reinforced concrete. Certified check, \$1,500.

Washington County, R-242, Sec. 1, A-2897, Hopewell, Independence Township, West Middletown Borough, 9,658 feet. One course reinforced concrete. Certified check, \$2,000.

Washington County, R-268, Sec. 5, Stockdale, Roscoe and Elco Boroughs, Allen Township, 8,490.69 feet. One course reinforced concrete. Certified check, \$2,000.

Washington County, R-268, Sec. 7, Elso, Coal, Centre Boroughs, Pike Run Township, 14,654 feet. One course reinforced concrete. Certified check, \$2,500.

Pennsylvania Contracts Awarded

Residence and Garage (2), Springfield, Pa. Architects and owners, MacKenzie & Wiley, Bankers' Trust Building, Philadelphia. Frame, plaster, 2½ stories, 30x40 feet, 1 story, 12x20 feet, shingle roof, hardwood and cement floors, hot water heat, electric light, tile work. Contract awarded G. P. Gehring, Alden, Pa.

Apartment House, Fayette street, near First avenue, Conshohocken, Pa. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owner, Harry C. Schwalbe, Conshohocken, Pa. Brick, steel, 3 stories and basement, 63x40 feet, slag roof, oak floors, dampproofing, metal lath, hollow metal sash, kalamein doors, bond, ornamental iron work. Contract awarded J. G. Reich, 126 East Wyoming avenue, Philadelphia.

School, Easton, Pa. Architects, Folsom,

Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owners, St. Jane Frances De Chantel, Rev. M. A. Bennett, on premises. Stone, cut stone, granite, brick, 2 stories and basement, 96x55 feet, metal lath, Barrett Specification roof, hollow metal doors, bond, ornamental iron work, bluestone, lime stone. Contract awarded John McShain, Inc., 1713 Sansom street, Philadelphia.

Church, Highland Park, Pa. Architect, George I. Lovatt, 223 South Sydenham street, Philadelphia. Owners, St. Lawrence Parish, Rev. M. F. Crowl, Highland Park, Pa. Stone, cut stone, brick, steel, granite, 1 story and basement, 78x36 feet, wing 65x99 feet, Johns Mansville asphalt roof, pine floors, metal window guards, waterproofing, ornamental iron work, metal casement frame, cast stone. Contract awarded M. W. Young, 2037 North Sixty-third street, Philadelphia.

Residence and Garage, Jenkintown, Pa. Architect, A. C. Borzner, 717 Walnut street, Philadelphia. Owner, Harry Schoenhut, Elkins Park, Pa. Stone, 2½ stories, 33x46 feet, 22x30 feet, hot water heat, electric light, shingle roof, hardwood floors, tile and marble work. Contract awarded E. Allen Reeves, Abington, Pa.

Residence and Garage, Noble Vista, Pa. Architects, Drukenmiller & Williams, 1537 Chestnut street, Philadelphia. Owner, name withheld. Stone, 2½ stories, 32x55 feet, hot water heat, or vapor heat, electric light, tile work, slate roof, hardwood floors. Contract awarded D. W. Sperry, Jefferson Building, Philadelphia.

Residence (alts. and add.), Township Line and Arch street, Montgomery County, Pa. Architect, Charles W. Maslin, 428 Roxborough avenue, Philadelphia. Owner, C. W. Hornby, on premises. Cement, carpentry and mill work, oak flooring, plastering, tile work, caulking, painting and glazing, slag roof, electric work, iron work, plumbing, weather stripping. Contract awarded C. M. Swartley, 6835 Ridge avenue, Philadelphia.

Residence (alts.), Elkins avenue, Elkins Park, Pa. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owner, Frank Newberger, on premises. Interior alterations. Contract awarded F. E. Wallace, 337 South Camac street, Philadelphia.

Residence, Lancaster road near County Line, Bryn Mawr, Pa. Architect, A. H. Broekie, 254 South Fifteenth street, Philadelphia. Owner, Miss Bertha Black, care of architect. Stone, 2½ stories, 41x20 feet, wing 18x40 feet, slate roof, oak and pine floors, hot water heat, electric light, tile work, ornamental iron work. Contract awarded Metzger, Fisher & White, Otis Building, Philadelphia.

Residence, Rose Valley, Pa. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owner, James Lamb, care of architect. Stone, 2½ stories, 29x45 feet, wing 18x35 feet, shingle roof, oak and pine floors, hot water heat, electric light, tile work. Contract awarded William H. Eddleman, 453 Queen Lane, Philadelphia.

Parochial School, Logan street, Bristol, Pa. Architect, Henry Coscia, 1611 South Fifteenth street, Philadelphia. Owners, St. Ann's Roman Catholic Church, Rev. I. Jenne, Bristol, Pa. Cinder block, plastered, 2 stories and basement, 8 class rooms, steam heat, electric light, tin roof, maple floors. Contract awarded Angelo Di Renzo, Bristol, Pa.

Residence and Alts. and Add. to Barn, Marple, Delaware County, Pa. Architect, F. C. Watson, Crozer Building, Chester, Pa. Owner, C. C. Austin, Marple, Delaware County, Pa. Stone and wood, 2½ stories, 80x30 feet, 25x30 feet, barn 50x50 feet, shingle roof, hardwood floors, steam heat, electric light. Contract awarded to H. L. Lindsey, Media, Pa., who is taking sub-bids.

Store and Office Building, West Chestnut street, Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owners, Steinman & Steinman, Lancaster, Pa. Brick, steel, 2 stories, 80x60 feet, slag roof, pine floors, electric work, steam heat. Contract awarded to D. H. Warfel, 39 East Grant street, Lancaster, Pa.

Stores (8) and Offices, Altoona, Pa. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owners, Silverman Brothers, Altoona, Pa. Alterations to present Pennsylvania Building, brick, 3 stories, maple floors, plate glass, plumbing, tile and marble work, metal bulks, electric light, steam heat. Contract awarded Charles Singiser, Altoona, Pa.

Residence, Haverford, Pa. Architects, Melville & Roberts, Otis Building, Philadelphia. Owner, J. Dilworth Beggs, Haverford, Pa. Stone, 2½ stories, 50x20 feet, shingle roof, oak and pine floors, hot water heat, electric light, flagstone. Contract awarded Herbert G. Campion, Otis Building, Philadelphia.

Store Front, Reading, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owner, J. C. Mumma, 613 Penn street, Reading, Pa. Plate glass, bronze work, limestone, hardwood floors. Contract awarded to Sharp Const. Co., 22 North Fifth street, Reading, Pa.

School, Hummelstown, Pa., \$60,996. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Hummelstown School District, Hummelstown, Pa. Semi-fire-proof, brick, 2 stories, 150x60 feet, composition roof, pine floors, roof ventilators, iron stairs, fire doors, steel sash. Contract awarded to J. C. Snyder, Selinsgrove, Pa.

Factory, Washington and Cherry streets, Conshohocken, Pa. Owners, Carlisle & Dougherty, care of builder. Brick, steel, 1 story, 72x180 feet, electric light, slag roof, cement floors, rolled steel sash. Contract awarded H. P. Schneider, 3713 Old York Road, Philadelphia.

New Jersey Construction News

Fire House, Haddon Heights, N. J. Architect, E. A. Wightman, Bankers' Trust Building, Philadelphia. Owners, Borough of Haddon Heights, N. J. Preliminary sketches in progress.

Store and Apartment, Holliday Beach, N. J. Architect, Fred N. Greisler, 1035 Walnut street, Philadelphia. Owner, D. Prochoranko, 236 North Darien street, Philadelphia. Frame, 2 stories, 24x45 feet, asbestos shingle roof and sidings, pine floors, plastering, plate glass, flush bulks, hot water heat, electric light. Plans completed. Owner ready for bids.

Apartment House, Atlantic City, N. J. Architect, T. B. Lippincott and C. S. Schaef, 11 South Sixteenth street, Philadelphia. Owners, William Penn Corporation, care of architect. Brick, steel, concrete, stone, terra cotta, 6 stories, 149x140 feet (94 apartments), slag roof, hardwood, composition and pine floors, macite partitions, incinerator, door bedators, steam heat, electric light, tile and marble work. New plans in progress.

Theatre, (3) **Stores**, (4) **Apartments**, Pitman, N. J. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owners, Pitman Realty Co., Pitman, N. J. Cement block, steel, stucco, 2 stories, 100x120 feet, slag roof, cement and hardwood floors, steam heat, electric light, tile work, fire doors, metal bulks. Plans in progress.

Store (add.), State street, Trenton, N. J. Architect, William A. Klemann, First Na-

tional Bank Building, Trenton. Owners, H. M. Voorhees & Bros., 131 East State street, Trenton, N. J. Brick, steel, 4 stories, 54x60 feet, slag roof, pine floors, hollow tile, (2) elevators, roof ventilators, waterproofing and dampproofing, ornamental iron work, iron stairs, fire doors, rolled steel sash, metal lath, heating extension, electric light. Architect ready for bids.

Residences (2), Trenton, N. J. Architects, P. L. Fowler Co., Fitzcharles Building, Trenton, N. J. Owners, Garb Brothers, 312 North Broad street, Trenton, N. J. Brick, timber, 2½ stories, 59x32 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Architect ready for bids.

Residences (2), 3306-3318 Pleasant street, Camden, N. J., \$7,400. Architect, private plans. Owner, William F. Todd, 832 North Thirty-second street, Camden, N. J. Frame, 1½ stories, 24x34 feet, rubberoid roof, hot air heat, electric light. Owner will build.

Residences (4), 1012-14-16-18 Morton street, Camden, N. J., \$12,000. Architect, private plans. Owner, Edward Praiss, 1566 Mt. Ephraim avenue, Camden, N. J. Brick, 2 stories, 14x42 feet and 16x42 feet, slag roof, hot air heat, electric light. Owner will build.

School, Hainesport, N. J. Architects, P. L. Fowler Co., Fitzcharles Building, Trenton, N. J. Owners, Lumberton Township School Board, M. C. Gaunet, Hainesport, N. J. Brick, steel, 2 stories, 130x45 feet, slag roof, pine floors, hollow tile, metal lath, safety treads, roof ventilators, metal ceilings, iron stairs, bond fire doors, steel sash (heating, plumbing and electric separate). Architects taking bids due March 19th.

Platform Shelter, Ocean City Gardens, N. J. Architect, Samuel T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Steel, 115x22 feet, slag roof, cement, concrete, painting and glazing, ornamental iron work. Owners taking bids due March 19th.

Church (alts. and add.), Trenton, N. J. Architects, Hill & Gollner, Broad Street Bank Building, Trenton, N. J. Owners, Prospect Street Presbyterian Church, E. D. Voorhees, 501 West State street, Trenton, N. J. Local stone and steel, 2 stories, 53x91 feet, slate roof, pine floors, roof ventilators, tile and marble, metal lath, steam heat, electric light. Architects taking bids due March 26th.

School Building (8-room), Pennsville, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owners, Board of Education, Township of Lower Penn's Neck, Salem County, N. J. Owners taking bids due March 18th, 7 P. M.

Residences (6), 1237-45 Jackson street, Camden, N. J., \$20,000. Architect, private plans. Owner, Ludwig Grabowski, 1482 Kenwood avenue, Camden, N. J. Brick, 2 stories, 16x47 feet and 14x47 feet, slag roof, warm air heat, electric light. Owner will build.

Residences (4), 1318-24 Jackson street, Camden, N. J., \$15,000. Architect, private plans. Owner, Elias Harwan, 1317 Sheridan street, Camden, N. J. Brick, 2 stories, 13 feet 9 inches x 42 feet, slag roof, hot water heat, electric light. Owner will build.

Public Garage, 507-09-11 Main street, Camden, N. J., \$11,000. Architect, private plans. Owner, H. G. Elzey, 426 North Fifth street, Camden, N. J. Block, 2 stories, 67x63 feet, slag roof, cement floors, electric light. Owner will build.

Residences (2), 462-64 North Thirty-fourth street, Camden, N. J., \$8,000. Architect, private plans. Owner, Russel H. Post, 411 North Thirty-fourth street, Camden, N. J. Block and stucco, 2 stories, 14x38 feet, slag roof, hot water heat, electric light. Owner will build.

Garages (18), rear 1237-45 Dayton street, Camden, N. J. \$6,500. Architect, private plans. Owner, Ludwig Grabowski, 1482 Kenwood avenue, Camden, N. J. Block, 1 story, 10x18 feet, slag roof, cement floors. Owner will build.

New Jersey Contracts Awarded

School (add.), Hamilton Square, N. J. Architect, Wm. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Hamilton Township School District, care of architect. Brick, 2 stories, 12 rooms, slag roof, maple floors, steam heat, electric light. Contract awarded to Fred Parker, 927 Calhoun street, Trenton, N. J., \$96,920. Heating and ventilating awarded to H. Martindale, Hamilton Square, N. J., \$13,650. Electric awarded to Mercer Electric Co., Fitzcharles Building, Trenton, N. J., \$5,321.

Residences (2), 1327-29 Chase street, Camden, N. J., \$8,000. Architect, private plans. Owners, E. Burlak & R. Pravdivenko, care of builder. Brick, 2 stories, 14 feet 6 inches x 40 feet, slag roof, hot water heat, electric light. Contract awarded to John A. Harris, 11 Jasper street, Camden, N. J.

Public Garage, 915-17 South Third street, Camden, N. J., \$5,000. Architect, private plans. Owner, Ravallo Cavallo, 312 Kaighn avenue, Camden, N. J. Brick, 1 story, 41x58 feet, slag roof, cement floors. Contract awarded to Frank Valeriani, 259 Spruce street, Camden, N. J.

Delaware Construction News

Stores (3), Apartments (2) and Garages (9), Wilmington, Del. Architect, John A. McKibbin, Industrial Trust Building, Wilmington, Del. Owners, Monaghan Estate, J. J. Monaghan, 904 Orange street, Wilmington, Del. Brick, cinder block, 2 stories and basement and 1 story, 57x30 feet and 90x180 feet, slag roof, pine floors, hot water heat, electric light, plate glass. Owner taking bids.

Residences (8), Wilmington, Del. Architect, John A. McKibbin, Industrial Trust Building, Wilmington, Del. Owner, James Sassone, 115 Market St., Wilmington, Del. Avondale stone and brick, 3 stories, 23x32 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress. Owner will take bids.

Residences (2), Lincoln street, Wilmington, Del., \$8,000. Architect, private plans. Owner, Dominic Cantera, 1911 West Ninth street, Wilmington, Del. Brick, 2 stories, 20x32 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residences (5), Twenty-fifth street, Wilmington, Del., \$20,000. Architect, private

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plans. Owner, Louis Feldman, 1011 Chestnut street, Philadelphia. Brick, 2 stories, 20x29 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Hall Building, Seventh and Washington streets, Wilmington, Del. Architects, Gleason, Mullrooney & Burke, 404 South Broad street, Philadelphia. Owners, Delaware State Building of A. O. H., Wilmington, Del. Brick, 3 stories, 50x95 feet, will contain lodge rooms and auditorium, slag roof. Sketches drawn. Too early for details.

Delaware Contracts Awarded

Church, 926 Dupont street, Wilmington, Del. Architects, Gleason, Mullrooney & Burke, 404 South Broad street, Philadelphia. Owners St. Anthony De Padua R. C. Church, Very Rev. J. Francis Tucker, Wilmington, Del. Stone, steel, concrete, 1 story, 72x190 feet, tile roof, concrete and maple floors, plumbing, stained glass, steam heat, electric light, tile and marble work. General contractor, E. Di Sabatino & Son, 1900 Conrad street, Wilmington, Del., ready for sub-bids in two weeks.

Store Building, Wilmington, Del. Architect, John A. McKibbin, Industrial Trust Building, Wilmington, Del. Owner, Harry Kaufman, 603 West Second street, Wilmington, Del. Brick, steel, 3 stories and basement, 36x109 feet, composition roof, oak and pine floors, plate glass, metal work, copper trim, steel sash. Contract awarded to Dominic Cantera, 1911 West Ninth street, Wilmington, N. J.

Boat House, foot of Commerce street, Wilmington, Del. \$12,000. Owner, T. C. DuPont, 808 Broome street, Wilmington, Del. Concrete, 1 story, 32x97 feet, slate roof, steam heat, electric work. Contract awarded to Reed Bros., 702 Orange street, Wilmington, Del.

Community Garage, Conrad street, Wilmington, Del. Architect, private plans. Owner, Guido Mangini, care of builder. Concrete block, 1 story, 9x18 feet each, slag roof, concrete floors, electric light. Contract awarded to D. M. Fontano, 421 Orange street, Wilmington, Del.

Miscellaneous Construction News

Church, Manhattan, N. Y. Architect, Clarence Brazier Crozer Building, Chester, Pa. Owners, Fort George Presbyterian Church, care of architect. Stone, steel, 1 story and basement, 100x63 feet, slate roof, hardwood floors, steam heat, electric light, metal lath, tile and marble work, steel sash. Architect taking sub-bids, due March 23rd.

School, Tanneytown, Md. Architects, Johnson & Starr, Spooner Building, Harrisburg, Pa. Owners, Board of Education of Carroll County, Westminster, Md. Brick, 2 stories, 10 rooms, slag roof, pine floors (heating, plumbing and electric separate), tile work. Owners taking revised bids.

Miscellaneous Contracts Awarded

Littlefield & Hageman Dormitories, Providence, R. I., \$400,000. Architects, Day & Klauder, Franklin Bank Building, Philadelphia. Owners, Brown University, Providence, R. I. Brick, stone, steel, concrete, 3 and 4 stories, central heat, electric light, marble work, slate roof, hardwood and linoleum. Contract awarded Maguire Co., Providence, R. I.

Furniture Warehouse, Thirty-third and 10th avenue, New York City. Architect, Frank E. Hahn, 629 Chestnut street, Philadelphia. Owner, Samuel Mack, 249 West Sixty-fourth street, New York City. Reinforced slag concrete construction, 5 stories, 80x90 feet, steam heat, electric light, concrete floors, elevators. Contract awarded Industrial Engr. Co., 30 Church street, New York.

Canton School (alts. and add.), First street, Faith and Hudson streets, Baltimore, Md. Architects, Wyatt & Notting, Keyser Building, Baltimore, Md. Owners, Mayor and City Council, Public Imp. Com., Baltimore, Md. Contract awarded J. L. Robinson Corp., Baltimore, Md.

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(Continued from page 164)

the Buffalo house. Frederick C. Backus, American Institute of Architects, is Chairman of this Committee and William C. Lurkey, Bacon & Lurkey, and Aaron Riley Merritt, are the other members.

The partial construction of this house also will be of portland cement stucco on concrete building block with a tile roof. The architects have provided for an unusual number of windows in this design that add to its exterior charm. The sloping line of the roof and the way in which it fits snugly over the house, gives this plan a cozy appearance.

In Buffalo also the other Exhibit Committees are taking an active part in planning the set up of exhibits for this house. Thomas W. Barrally, member of the American Society of Civil Engineers is Chairman of the Building Materials Committee; Walter H. Jones, President of the Federal Concrete Company, Inc., is Chairman of the Concrete House and Cement Products Committee and George E. McClure, George W. McClure & Son, is Chairman of the Landscape and Garden Committee.

English rose gardens are to be featured as settings for all the houses.

The dates of the four licensed "Own Your Home" Expositions have been coordinated so national manufacturers may prepare one exhibit for travel from city to city. The Chicago Fifth Annual Own Your Home Exposition will be held in the Coliseum March 21st to 26th; The New York Seventh Annual Exposition will be held in the 69th Regiment Armory from April 18th to 25th; the Philadelphia First Annual Exposition will be held in the Commercial Museum from May 9 to 16, and the

Buffalo First Annual Exposition will be held in the Broadway Auditorium, May 30th to June 5th. All of the Expositions are under the auspices of the local real estate boards in addition to being licensed by the National Association of Real Estate Boards, though no more space is allotted to real estate than to any other division.

THE RECOGNITION OF A GOOD WORKMAN

Years of constant work, and innumerable tests have revolutionized our methods of construction. Iron and steel in their many forms have, to a great extent replaced other materials. Yet back of it all is the human element, the craftsman, the man who executes the ideas of the designer. Without him, plans are at best, but theories.

Practically all work is now done according to Standard Specifications yet specifications are always based on the minimum, the least that will be accepted from an ordinary workman. There is a vast gulf between the work of such a workman and the handiwork of a master craftsman who knows more than books can teach him. He is the man who takes pride in his work, who realizes that it can be made a work of art, in the self same way, as a painting or a piece of sculpture.

These men who know their materials and their tools are the producers of all our better work. Yet seldom do they receive personal recognition, and it is this lack of recognition that is causing much of our construction work to come up only to the letter of the specifications.

There is a decided need for a change in our attitude towards these craftsmen. Not in an adjustment of working conditions but in the individual recognition of their efforts so that they may be spurred on to win higher achievements.

It is only by this method that we may progress onward and upward towards the standards set by the old masters of the past.

The Architect who praises the good work of a mechanic is placing credit where credit is due, and is gaining for himself far more than he is giving.

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Vol. XL, No. 12
March 25, 1925

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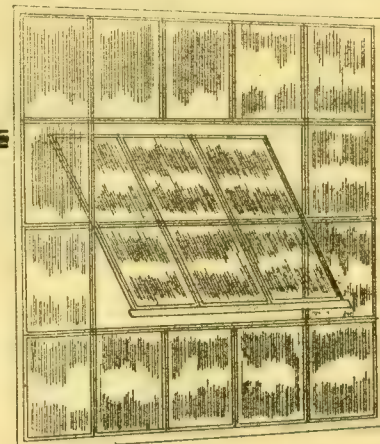
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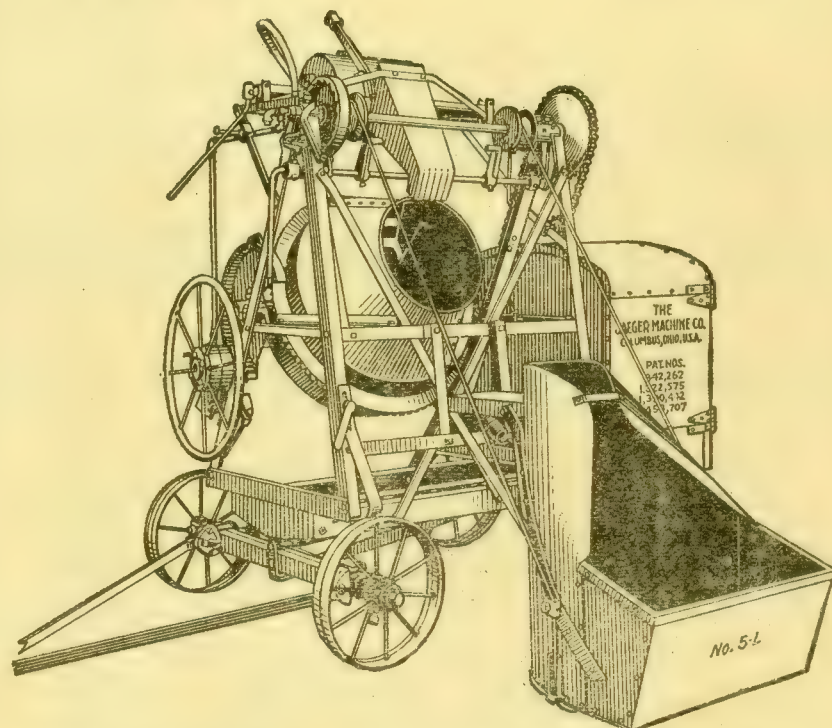
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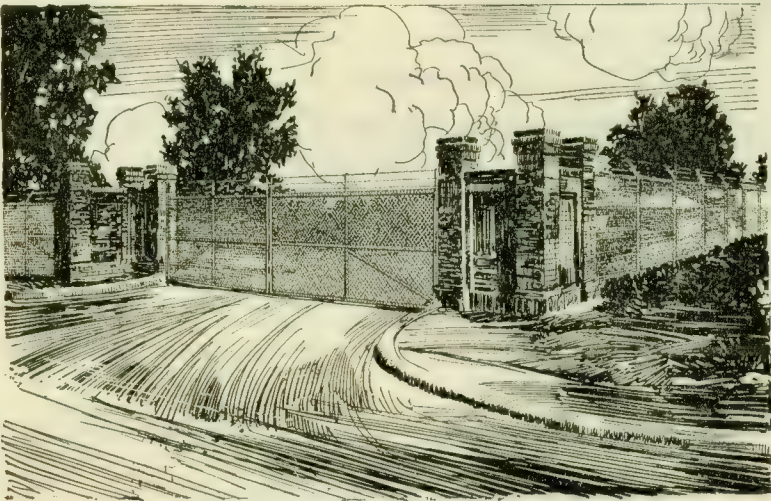
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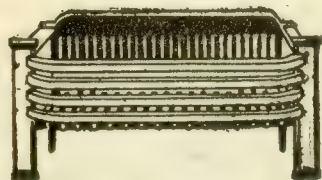
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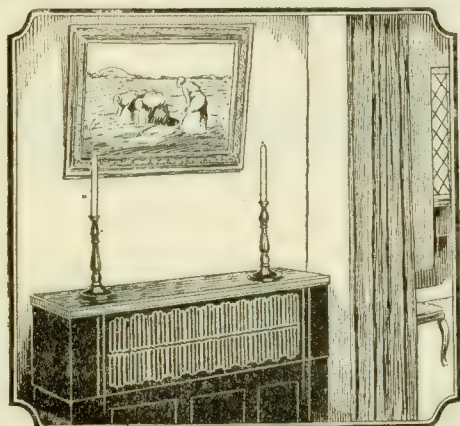
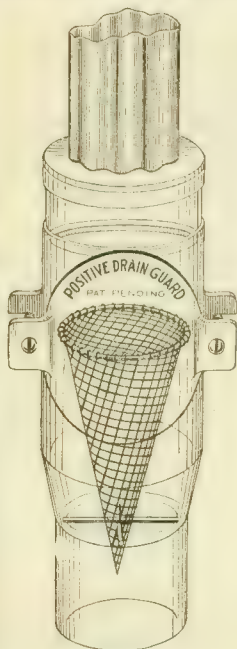
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VOLUME XL

Engineering and the Building Trades

PHILADELPHIA

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March 25, 1925

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS;

CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residences (19), Howard street, from Chew avenue to Grange avenue, Philadelphia. Architect, private plans. Owner, Charles P. Mills, 4833 C street, Philadelphia. Brick, 2 stories and basement, 16x40 feet, hot water heat, electric light, slag roof, oak and pine floors, tile work. Owner taking sub-bids.

Subway (4 track), Philadelphia. Architect, private plans. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. 4-track subway from Courtland street to Olney avenue, Philadelphia. Plans about completed. Will be ready for bids soon.

Stadium (add.) and Gymnasium (alts. and add.), Thirty-fourth and Spruce streets, Philadelphia. Architects, Day & Klauder, Franklin Bank Building, Philadelphia. Owners, University of Pennsylvania, Thirty-fourth and Spruce streets, Philadelphia. New gallery on present stadium. Demolishing present gymnasium building for basketball court, etc. Working plans in progress.

Residence (alts.), Southwest Corner Sixty-second and Jefferson streets, Philadelphia, \$5,600. Architect, private plans. Owner, H. M. Shandles, 617 Pine street, Philadelphia. General alterations. Owner will build.

Residences (4), North side Loney street, West of Castor road, \$5,000. Architect, private plans. Owner, Jacob Gaertner, 8315 Pine road, Philadelphia. Brick and frame, 2 stories, 15x42 feet, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Garage, 3608-10 North Lawrence street, Philadelphia, \$3,750. Architect, private plans. Owner, Fred J. Schimpf, 4221 North Ninth street, Philadelphia. Brick, 1 story, 31x15 feet, 18x89 feet, slag roof, cement floors. Owner will build.

Residences (20), East side Edgmore road, North of Lebanon avenue, \$4,200 each. Architect, private plans. Owner, John H. McClatchey, Land Title Building, Philadelphia. Brick, 2 stories, 16x39 feet, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Riding Academy, Rittenhouse street and Wissahickon avenue, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owners, Manheim Riding Academy, J. F. Foley, 5435 Germantown avenue, Philadelphia. Brick, steel, concrete, limestone, 200x300 feet, slag roof. Working plans in progress.

School (add.), Tulip street, Tacony, Pa. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Leo's Roman Catholic Parish, Rev. Hugh Bower, Tacony, Philadelphia. Brick, cut stone, steel, 2 stories and basement, slag roof, maple and pine floors, metal window guards, shoring, architectural terra cotta, ornamental iron work, slate partitions, bond, hollow metal sash and doors, metal lath. Revised plans in progress.

Church (alts.), Sixty-third and Callowhill streets, Philadelphia. Architect, F. R. Watson, 1211 Walnut street, Philadelphia. Owners, Our Lady of the Rosary Roman Catholic Church, Rev. J. F. Kiernan, on premises. New heating, electric light, tile work, stone work, painting, redecorating. Architect taking sub-bids due April 2nd.

Residences (2), Castor Gardens, Philadelphia. Architect, private plans. Owner, Herman C. Zingraf, 2527 North Seventh street, Philadelphia. Frame, stucco, 2 stories, 28x36 feet, slag and tile roof, hardwood, pine and patent floors, hot water heat, electric light. Owner taking sub-bids.

Refrigeration System, Eleventh and Market streets, Philadelphia. Architects, The Balingier Co., Twelfth and Chestnut streets, Philadelphia. Owners, Frank & Seder Co., Eleventh and Market streets, Philadelphia. Architects ready for bids.

Store and Apartments (6), Germantown and Upsal street, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owners, National Const. Co., 3211 West Oxford street, Philadelphia. Brick, 2 stories, 16x55 feet, hot water heat, electric light, tile work, slag roof, hardwood floors, art stone. Owners taking sub-bids on revised plans.

Building (alts.), 920-22 Girard avenue, Philadelphia. Architect, Edwin A. Yeo, 225 South Sydenham street, Philadelphia. Owner, Chapahoocher Tribe of Red Men, 920 Girard avenue, Philadelphia. Concrete, cement, stone work, brick work, plaster, stucco, cut stone, steel and iron work, steel sash, carpentry and mill work, marble work, store front. Architect taking bids due March 30th.

Residences (6) and Garages, Lincoln Drive and Sedgwick street, Philadelphia. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owner, Samuel Shapiro, care of architect. Stone, brick, limestone, plaster, 2 stories and basement, 58x22 feet, slag and slate roof, oak and pine floors, hot water heat, electric light, tile and marble work, plumbing, bond, ornamental iron work, galvanized iron pipe. Architects taking bids due March 28th.

Clieveden Park Public Comfort Station, Johnson and Musgrave. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, City of Philadelphia, Department of Public Works, Bureau of City Property, 216 City Hall. Brick, concrete, stone, 2 stories,

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Shop and Office, Tioga street, Witte and Sepviva streets, Philadelphia. Architects, Carson & Carson, 22 South Fifteenth street, Philadelphia. Owners, Cattie Brothers Corp., on premises. Brick, steel, reinforced concrete, 1 story, 60x202 feet (plumbing, heating, electric reserved), Johns Mansville roof, wood block floors, rolled steel sash, shoring, ornamental iron-work. Architects taking bids due March 26th.

Construction of Comfort Building, Philadelphia National Cemetery, Haines and Limekiln Pike, Philadelphia. Owners, United States Government, Commanding Officer, Philadelphia Q. M., Twenty-first and Oregon avenue, Philadelphia. Owners taking bids due March 30th, 11 A. M.

Completion of All Work of the Exterior, New Garage and Alts. to Rectory, Northeast Corner Fifty-sixth and Cedar avenue, Philadelphia. Architects, Henry D. Dagit & Son, 34 South Seventeenth street, Philadelphia. Owners, Church of Transfiguration of Our Lord, Rev. D. J. McGettigan, on premises. Stone, 1 story, 23x25 feet, slag roof, cement floors, electric light (heating reserved), bond, cement work, granite work, Indiana limestone, cut stone. Architect taking bids due March 27th.

Garages (2), 6306-08 Wissahickon avenue, Germantown. Architect, Addison H. Savery, 1309 Locust street, Philadelphia. Owners, Sam Lashof and G. F. Mollenkoff, on premises. Brick, stone and rough cast, 1 story, 18x22 feet, slate and tin roof, cement floors, electric light. Owners taking bids.

Supplies, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia (William Dick). Steel lockers, paints and varnish, slag, paper, oils, tables. Owners taking bids due April 9th.

Reinforcement of Present 3-Story Building (rear), Northwest Corner Fifth and Locust streets. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, David Weber Co., on premises. Structural steel, strengthening of floors, concrete work, timber. Architects taking bids due March 26th.

Residences (4), Benner, Edmund and Hegerman streets, \$4,000 each. Architect, private plans. Owner, William F. Peters, 6629 Jackson street, Philadelphia. Brick, 2 stories, 16x39 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (6), Hegerman and Benner streets, Philadelphia, \$4,000 each. Architect, private plans. Owner, Fred Smith, 6715 Jackson street, Philadelphia. Brick, 2 stories,

16x39 feet, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (12), 6526-48 Lansdowne avenue, Philadelphia, \$88,000. Architect, private plans. Owners, Brown & Canuso, 6524 Lansdowne avenue, Philadelphia. Brick, 2 stories, (2) 17x56 feet, (10) 15x31 feet, 12x21 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Owners will build.

Residences (6), West side Crittenden street, South of Gorgas Lane, \$11,000 each. Architect, private plans. Owner, James G. Spear, 133 South Twelfth street, Philadelphia. Brick, 3 stories, 16x56 feet 3 inches, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Garage, South side Wallace street, East of Thirty-fourth street, Philadelphia, \$7,500. Architect, private plans. Owner, Peter J. Gallagher, 3308 Fairmount avenue, Philadelphia. Brick, 1 story, 40x100 feet, slag roof, cement floors, electric light. Owner will build.

Residences (6), Unruh street, East of Cottage street, Philadelphia, \$5,300 each. Owner, George Potts, 8405 Frankford avenue, Philadelphia. Brick, 2 stories, 16x38 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (18), Ditman street, St. Vincent street, Philadelphia, \$5,000 each. Architect, private plans. Owner, E. Samuel Gereke, 7019 Montague street, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (4), Ditman street, North of Princeton avenue, \$5,000 each. Architect, private plans. Owner, Daniel Gereke, Disston and Algard streets, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (14), Clarkson avenue, Westford road and Marwood avenue, \$86,000. Architect, private plans. Owners, F. W. Biddle & Co., 4651 North Fifth street, Philadelphia. Brick, 2 stories, 16x39 feet, hot water heat, electric light, hardwood and pine floors, tile work. Owners will build.

Residences (12), South side Clarkson avenue, West of Rising Sun avenue, \$67,000. Architect, private plans. Owners, D. and G. J. Hermann, 430 Duncannon avenue, Philadelphia. Brick, 2 stories, 15x40 feet, hot water heat, electric light, hardwood and pine floors. Owners will build.

Residences (5), West side Duffield, North of Foulkrod street, \$23,000. Architect, private plans. Owner, J. Berman, 6019 Market street, Philadelphia. Brick, 2 stories, 15x38 feet, hardwood and pine floors, hot water heat, electric light. Owner will build.

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Residences, Fifty-seventh and Lebanon avenue, Philadelphia, \$118,500. Owner, Harry Wolf, 5201 Berks street, Philadelphia. Brick, 2 stories, (19) 16x29 feet, 13x12 feet, (2) 16x31 feet, 25x12 feet, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Residence, 8438 Eastwick avenue, Philadelphia, \$5,500. Architect, private plans. Owner, William Hoffman, 8440 Eastwick avenue, Philadelphia. Brick, 2 stories, 20x64 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residence, Southwest Corner Fisher's avenue and Hoff street, Philadelphia, \$5,000. Architect, private plans. Owner, Thomas C. Copeland, Bustleton, Philadelphia. Frame, 1 story, 24x40 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (2), East side Bingham street, South of St. Vincent street, \$4,500 each. Architect, private plans. Owner, Henry Kubin, 1223 Cottman street, Philadelphia. Brick, 2 stories, 16x46 feet, hot water heat, electric light, slag roof, hardwood and pine floors. Owner will build.

Residences (4), Princeton avenue, West of Glenlock avenue, \$5,000 each. Architect, private plans. Owner, Robert Gercke, 7123 Torresdale avenue, Philadelphia. Brick, 2 stories, 16x42 feet, hot water heat, electric light, hardwood and pine floors. Owner will build.

Residence, South side Faunce street, West of Lawndale street, \$4,000. Architect, private plans. Owner, William Steinbaim, 7600 Bingham street, Philadelphia. Brick and frame, 2 stories, 16x34 feet, hot water heating, electric lighting. Owner will build.

Residences (16), Robbins and Oakley streets, Philadelphia, \$72,500. Owner, M. H. Riegel, 337 East Cheltenham avenue, Philadelphia. Brick, 2 stories, 17x38 feet and 17x31 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (22), Sixty-fifth and Windsor avenue, Philadelphia, \$112,000. Owner, A. Singer, 39 South Fifty-ninth street, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Apartment Houses (2), 425-27 South Fortieth street, Philadelphia, \$20,000 each. Architect, private plans. Owner, Louis Elgart, 5312 Berks street, Philadelphia. Brick, 3 stories, 16 feet 6 inches x 86 feet 6 inches, slag roof, hardwood and pine floors, steam heat, electric light, tile work. Owner will build.

Residence, Northeast Corner Locust and Hanson streets, Philadelphia, \$10,000. Architect, private plans. Owner, Joseph G. Louderback, 2427 South Edgewood street, Philadelphia. Brick, 3 stories, 20x58 feet, 2 stories,

20x10 feet, hardwood and pine floors, electric lighting, tile work. Owner will build.

Residence and Store, 4341 Frankford avenue, Philadelphia, \$10,000. Architect and owner, John Rackie, 4448 Frankford avenue, Philadelphia. Brick, 3 stories, 20x76 feet, slag roof, hardwood and pine floors, vapor heat, electric light. Owner will build.

Residences (41), Mitchell, Markle and Naomi streets, \$179,000. Architect, private plans. Owner, John Sherman, 4938 Parkside avenue, Philadelphia. Brick, 2 stories, various sizes, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (11), Granite and Pratt streets, East of Torresdale avenue, \$5,000 each. Architect, private plans. Owner, Frank S. Dykes, 4725 Rising Sun avenue, Philadelphia. Brick, 2 stories, 15x35 feet, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Residences (3), Hegerman, Tulip and Comly streets, Philadelphia, \$4,000 each. Architect, private plans. Owner, M. Kasporter, 5907 Hegerman street, Philadelphia. Brick, 2 stories, (1) 16x42 feet, (2) 14x40 feet, slag roof, hardwood and pine floors, electric light. Owner will build.

Residences (4), (2) Eighty-seventh and Ashwood avenue, and (2) Eighty-sixth and Erwig avenue, Philadelphia, \$4,000 each. Owner, Robert R. Heath, 3217 South Eighty-seventh street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 38 feet, slag roof, hardwood and pine floors, electric light. Owner will build.

Garage and Shop, 2513 A street, Philadelphia, \$7,500. Architect, private plans. Owner, George E. Wright, 113 East Cumberland street, Philadelphia. Brick, 2 stories, 44x34x13 feet, slag roof, cement floors, electric light. Owner will build.

Residence, North side Nedro avenue, West of Twenty-first street, \$7,000. Owner, Emil P. Stahl, 5209 North Third street, Philadelphia. Brick, 2 stories, 25x60 feet, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Residences (2), East side Whitaker avenue, South of Vista street, Philadelphia, \$5,000 each. Architect, private plans. Owner, Peter Herdt, Jr., 7442 Whitaker street, Philadelphia. Frame, 2 stories, 14x34 feet, shingle roof, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Residences (35), South side Windsor avenue, East of Sixty-seventh street, Philadelphia, \$141,000. Architect, private plans. Owners, Paul & Chanin, 4807 North Hutchinson street, Philadelphia. Brick, 2 stories, 16x46 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

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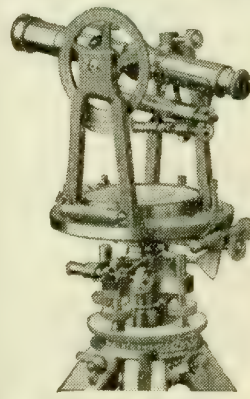
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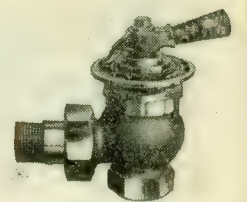
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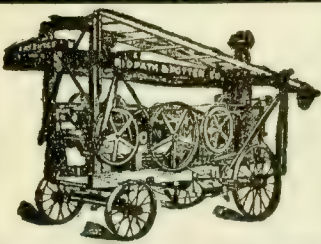
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Residences (16), East side Mascher street, South of Chew street, \$81,500. Architect, private plans. Owners, Mulholland, Gotwals & Co., on premises. Brick, 2 stories, 15x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residences (31), Fourth and Nedro avenue, Philadelphia, \$157,200. Architect, private plans. Owner, Val. L. Franz, 1302 West Allegheny avenue, Philadelphia. Brick, 2 stories, (2) 16x37 feet, (29) 16x27 feet, 12x10 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (19), Ogontz and Andrews avenues, Philadelphia, \$119,700. Architect, private plans. Owners, Mahony & Coffin, Oak Lane Trust Building, Philadelphia. Brick, 2 stories, (2) 16x46 feet, (17) 16x34 feet, 13x12 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Warehouse (add.), East side Catharine street, West of Front street, \$6,000. Architects, Hoffman-Henon Co., Finance Building, Philadelphia. Owners, Gallagher Warehouse, on premises. Brick, 2 stories add., 19x85 feet, slag roof, pine floors, electric lighting. Architects will build.

Moving Picture Theatre, North side Haverford avenue, East of Fortieth. Engineers, W. P. Cameron Eng. Co., Witherspoon Building, Philadelphia. Owner, Joseph S. Littleton, on premises. Brick, 1 story, 39x98 feet, slag roof, electric light, steam heat. Engineers will build.

Residences (2), South side Eastwick avenue, West of Eighty-first street, \$3,500 each. Architect, private plans. Owner, John Yoskins, 5624 Larchwood avenue, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, pine floors, hot air heat, electric light. Owner will build.

Garage, 119-23 East Luray street, Philadelphia, \$17,000. Architect, private plans. Owner, Godfrey J. Raich, 126 East Wyoming avenue, Philadelphia. Brick, 1 story, 60x120 feet, slag roof, cement floors, electric lighting. Owner will build.

Residences (22), East side Roosevelt Boulevard, North of Pratt street, \$6,000 each. Architect, private plans. Owner, George Edel, Hillcrest and Stenton avenues, Philadelphia. Brick, 3 stories, 16x30 feet, 12x12 feet, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Residences (2), South side St. Vincent, West of Claridge street, \$4,500 each. Owners, J. & C. Kaiser, 7219 Montour street, Philadelphia. Brick, 2 stories, 16x46 feet, hot water heat, electric light, slag roof. Owners will build.

Garage and Shop, South side Somerset street, East of Front, \$2,700. Architect, private plans. Owner, John Gallatig, 447 West Dauphin street, Philadelphia. Brick, 2 stories, 14x25 feet, 17x31 feet, slag roof, cement and pine floors, electric light. Owner will build.

Residence and Office (alts.), 5434 Chester avenue, \$2,000. Architect, private plans. Owner, Julius De Waele, on premises. General alterations. Owner will build.

Residences (6), North side Courtlandt street, West of Fourth street, \$4,500 each. Architect, private plans. Owner, Joseph O'Vany, 1728 North Third street, Philadelphia. Brick, 2 stories, 16x24 feet, 13x8 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residence, West side Weymouth street, South of Cheltenham avenue, \$4,200. Architect, private plans. Owner, Joseph Wehr, 2339 North Fairhill street, Philadelphia. Frame, 2 stories, 16x28 feet, 12x19 feet, shingle roof, hardwood and pine floors, hot water heat, electric work. Owner will build.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Garage, 2540-42 North Twenty-seventh street, Philadelphia, \$2,400. Architect, private plans. Owner, Gus Wohlrath, on premises. Brick, 1 story, 32x18 feet, slag roof, cement floors. Contract awarded to Charles D. Land, Chalmers and Marston streets, Philadelphia.

Garage and Show Room, 4605 North Fifth street, Philadelphia. Architect, F. B. Koelle, Otis Building, Philadelphia. Owner, Joseph L. Doan, on premises. Contract awarded William Easterbrook, 146 North Fourth street, Philadelphia.

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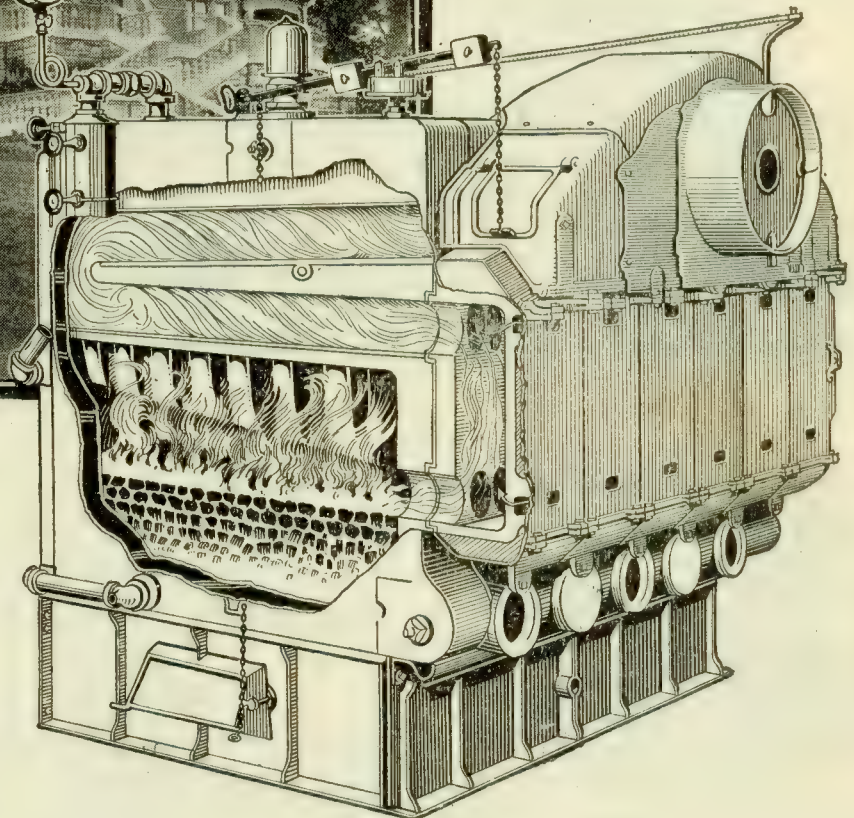


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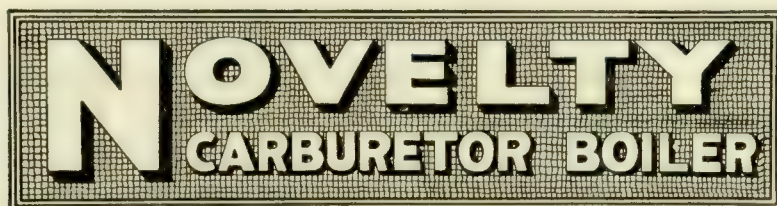


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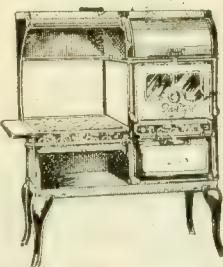
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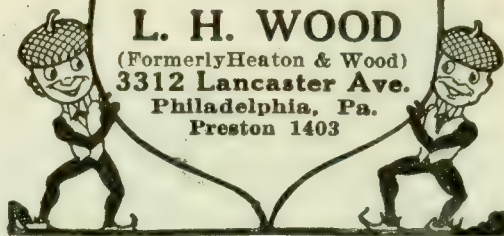
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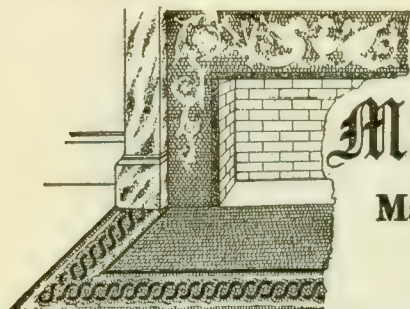
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Garage (add.), Northwest Corner Rosewood and Oregon avenue, Philadelphia, \$19,000. Architect, private plans. Owner, B. Dougherty, 1419 Oregon avenue, Philadelphia. Brick, second story add., 80x76 feet, 96x30 feet, slag roof, pine floors, steel sash, electric light. Contract awarded to William G. Uhlers & Sons, Northeast Corner Twenty-fifth and Snyder.

Residence and Store (alts.), 1630-32 North Twenty-seventh street, Philadelphia, \$8,000. Architect, private plans. Owner, A. Bugglin, on premises. General alterations, carpentry, mill work, painting, glazing. Contract awarded to F. I. Wintz, 1618 North Twenty-seventh street, Philadelphia.

Hospital (H. Group), Wistar and Penn streets, Germantown, Philadelphia, \$1,000,000. Architect, Arthur H. Broekie, 254 South Fifteenth street, Philadelphia. Owners, Germantown Dispensary and Hospital, Germantown, Philadelphia. Brick, cut stone, limestone, reinforced concrete, steel, private patients' building, 155x45 feet, staff building, 49x75 feet, both building, 5 stories and basement (heating, ventilating, electric, plumbing reserved), slag roof, cement floors, hollow tile, electric elevators, roof ventilators, metal weather strip, waterproofing, architectural terra cotta, ornamental iron work, steel doors, copper skylights, rolled steel sash, tile, marble and terrazzo work, metal lath, kitchen equipment, sound deadening. Contract awarded Irwin & Leighton, 126 North Twelfth street, Philadelphia.

New Office Building (alts. to present front of building), 4901 Stenton avenue. Architects, Morris & Erskine, 1716 Cherry street, Philadelphia. Owners, Leeds & Northrup Co., on premises. Brick, cut stone, steel, concrete, 3 stories and basement, 91x32 feet, slag roof, cement work, concrete and maple floors, roof ventilators, metal weather strips, waterproofing, ornamental iron work, iron stairs, bond, fire and kalamein doors, rolled steel sash, tile and terrazzo work, metal lath. Contract awarded W. R. Dougherty, 1610 Sansom street, Philadelphia.

Alterations, Broad and Noble streets, Philadelphia. Owners, Horn & Brannen Mfg. Co., on premises. Architect, private plans. Brick, steel (electric work reserved), carpentry and mill work, cabinet work, bronze work, plastering, shoring, architectural terra cotta, ornamental iron work, metal stairs, granite, cut stone, metal lath, travertine stone, rubber flooring, hardware, glazing, sheet metal work, metal door, marble and tile, plumbing, alterations to heating and ventilating. Contract awarded A. Raymond Raff Cont. Co., 1635 Thompson street.

Store and Apartments, Sixty-third and Market streets, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia.

Owner, name withheld. Stone, steel, brick, 3 stories, 25x100 feet, slag roof, hot water heat and electric light, hardwood and maple floors, metal lath, tile and marble work, hollow metal skylights, store fixtures, bond, ornamental iron work (work started). Contract awarded Levin Brothers, Commonwealth Building, Philadelphia.

Garages (16, indiv.), Kingsley and Mitchell streets, Philadelphia, \$4,000. Architect, private plans. Owner, J. Pearson, 481 Kingsley street, Philadelphia. Brick, 1 story, 32x70 feet, slag roof, cement floors. Contract awarded J. G. T. Miller, 2325 West Allegheny avenue, Philadelphia.

Store Building (alts. and add.), 1126 Walnut street, Philadelphia. Owner, Samuel Kean, on premises. Architect, Sol Kaplan, 10 South Eighteenth street, Philadelphia. Brick, stone, steel, heating and lighting alterations, slag roof, composition and oak floors, plumbing, architectural terra cotta, ornamental iron work, bronze and brick work, tile and marble work. Contract awarded Knox Landers, 1132 Vine street, Philadelphia.

Alterations, Southwest Corner Front and Market streets, Philadelphia. Architect, private plans. Owners, Franklin Trust Co., Fifteenth and Chestnut streets, Philadelphia. Carpentry and mill work, brick work, plate glass, marble work, electric work, terrazzo work, metal lath, plastering, oak floors, cement floors, blue flagstone. Contract awarded J. N. Gill Const. Co., City Center Building, Philadelphia.

Lumber Shed, Nineteenth and Somerset streets, Philadelphia. Architect, private plans. Owner, George Spiegle, on premises. Concrete, brick, steel, 1 story, 260x87 feet, corrugated glass, corrugated iron. Contract awarded L. Rosengarten, 4738 Market street, Philadelphia.

Factory, East Tioga street and Whittle street, Philadelphia. Architect, Julian E. Simson, Broad and Girard street, Philadelphia. Owners, Williard Candy & Chocolate Co., Jasper and Williard streets. Brick, steel, 2 stories, 66x150 feet, slag roof, pine floors, steam heat, electric light, rolled steel sash, ornamental iron work. Contract awarded Smith-Hardican Co., 1809 Callowhill street, Philadelphia.

Garage and Service Station, 1453-55 North Fifty-second street, Philadelphia, \$31,000. Architect, Ruben Beard, 2120 North Lambert street, Philadelphia. Owner, Simon Miller, 614 Commonwealth Building, Philadelphia. Brick, 2 stories, 52x97 feet, slag roof, cement and pine floors, steam heat, electric light. Contract awarded to Harry G. Walters, 412 North Fortieth street, Philadelphia.

Residence, Southwest Corner Decatur and Erdrick streets, Philadelphia, \$5,000. Archi-

tect, private plans. Owner, Alice J. Megar-gee, Holmesburg, Philadelphia. Stone and brick, 2 stories, 16x42 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded to Holmesburg Concrete Co., Holmesburg, Philadelphia.

Concrete Swimming Pool, Mt. Airy, Pa. Architect, private plans. Owner, Mr. Walter Schwartz, Mt. Airy, Pa. Concrete, 16x83 feet. Contract awarded Starr & Wilcox, Atlantic Building, Philadelphia.

Residences (2), Fuller street, West of Frontenac street, \$5,500 each. Architect, private plans. Owner, Joshua M. Holmes, 6700 York road, Philadelphia. Frame, 2 stories, 24x36 feet, shingle roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to H. E. Durst, Rhawn and Castor road, Philadelphia.

Residence, Loney street, West of Frontenac street, \$6,500. Architect, private plans. Owner, Carl Kesser, 1548 South Bailey street, Philadelphia. Frame, 2 stories, 25x45 feet, shingle roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to H. E. Durst, Rhawn street and Castor road, Philadelphia.

Residence, West side Eleventh street, North of Cheltenham avenue, Philadelphia, \$8,500. Architect, private plans. Owner, Willett Stout, 5340 Wakefield street, Philadelphia. Brick, 3 stories, 25x36 feet, hot water heat, electric light, hardwood and pine floors, tile work. Contract awarded to A. J. Schulke, 2647 West Huntingdon street.

Store and Apartment (alts. and add.), Northeast Corner Sixty-third and Vine streets, Philadelphia, \$21,220. Engineer, Max Haupt, 1706 Sansom street, Philadelphia. Owner, William Schwarzman, 40 North Sixty-second street, Philadelphia. Brick, concrete, cement, iron work, tile and marble work, new slag roof, oak floors, plastering, carpentry and mill work, limestone, hardware, painting, glazing, hot water heat, plumbing, wrought iron pipe. Contract awarded F. M. Percival, 6229 Market street, Philadelphia.

Apartment House, Northwest Corner Seventeenth and Locust streets, Philadelphia. Architect, Frank E. Hahn, 629 Chestnut street, Philadelphia. Owner, care of Greenfield & Taube, Fox Building, Philadelphia. Stone, brick, reinforced concrete, terra cotta, limestone, 18 stories, 100x75 feet, slag roof, hardwood and pine floors, tile and marble work, steam heat, electric light, elevators, ornamental iron work. Contract awarded Barras Const. Co., Fox Building, Philadelphia.

Residences (16), Mt. Airy avenue, West of Lincoln Drive, \$81,600. Architect, private plans. Owner, A. W. Moore, 7100 McCallum street, Philadelphia. Brick, 2 stories, 18x28



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feet and 20x28 feet, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Samuel Harting & Son, 20 East Johnson street.

Residence (repairs), South side Welsh road, West of Axe Factory road, \$5,000. Architect, private plans. Owner, Herbert Hope, 5900 North Broad street, Philadelphia. General repairs. Contract awarded to William J. Baltz, Sixty-sixth and Lawnton avenue, Philadelphia.

Greenhouses (2), East side Bustleton avenue, South of Red Lion road, \$5,000 each. Architect, private plans. Owner, H. Ergenzinger, 4407 Rising Sun avenue, Philadelphia. Concrete, brick, glass, 1 story, 24x100 feet. Contract awarded to Lord & Burnham, Irvington, N. Y.

Residences (7), Robbins street and Rising Sun avenue, Philadelphia, \$32,500. Owner, Williamina Failer, 8129 Burholme avenue, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Parker W. Failer, 8129 Burholme avenue.

Garage and Shop, West side Front street, North of Tioga street, \$6,500. Architect, private plans. Owner, William Henderson, 3516 Kipp street, Philadelphia. Brick, 1 story, 48x46 feet, slag roof, pine and cement floors. Contract awarded to Selke Cont. Co., 3516 B street, Philadelphia.

Residences (2), Cheltenham avenue, West of G street, Philadelphia, \$6,000 each. Architect, private plans. Owner, M. R. Bopp, 905 East Fanshawe street, Philadelphia. Brick, 2 stories, 15x40 feet, hot water heat, electric light. Contract awarded to Edward Jones, 3453 I street, Philadelphia.

Garage and Show Room, East side Twenty-ninth street, South of Clearfield, \$14,000. Architect, private plans. Owner, Peter Deandrea, Southeast Corner Twenty-ninth and Cumberland streets, Philadelphia. Brick, 1 story, 125x59 feet, slag roof, cement floors, steam heat, electric light. Contract awarded to E. C. Durell, 1713 North Twenty-fourth street, Philadelphia.

Residences (2), South side Tyson street, East of Frontenac, \$5,500 each. Architect, private plans. Owner, William Januker, 1825 North Fifth street, Philadelphia. Frame, 2 stories, 35x28 feet, shingle roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to H. C. Zingrof, 2527 North Seventh street, Philadelphia.

Residence and Garage, 2255 North Fifty-first street, Philadelphia, \$22,000. Architect, private plans. Owner, M. Zussman, 502 Pop-

lar street, Philadelphia. Brick, 3 stories, 43x38 feet, garage 20x24 feet, hardwood, pine and cement floors, electric lighting, tile work. Contract awarded to B. Wilensky, 2222 North Fifty-third street, Philadelphia.

Garage and Show Room, 4624-26 North Broad street, Philadelphia, \$12,000. Architect, private plans. Owner, Max Hurster, 1425 West Olney avenue, Philadelphia. Brick, 1 story, 25x157 feet, slag roof, cement floors, electric work. Contract awarded to Harry A. Helms, Oaklynne, N. J.

Garages (2), Thirty-third and Gray's Ferry road, Philadelphia, \$9,000 total. Architect, private plans. Owner, M. L. Murphy, 1836 South Twenty-third street, Philadelphia. Brick, 1 story, 16 feet 8 inches x 101 feet 6 inches and 32x101 feet 6 inches, slag roof, cement floors, electric lighting. Contract awarded to E. Murphy, 8618 Tinicum avenue, Philadelphia.

Residence, Southeast Corner Princeton avenue and Erdrick street, \$7,000. Architect, private plans. Owner, Fred Rodes, 1812 East Schiller street, Philadelphia. Brick, 2 stories, 16x17 feet, 18x25 feet, hot water heat, electric work. Contract awarded to George F. Wehn, 1907 East Thayer street, Philadelphia.

Store and Residence (alts. and add.), 1300 Harrison street, \$4,500. Architect, private plans. Owner, Harry C. Zeisig, on premises. Brick, 1 story add., 26x10 feet, general alterations. Contract awarded to George Rimer, 4842 Hawthorne street, Philadelphia.

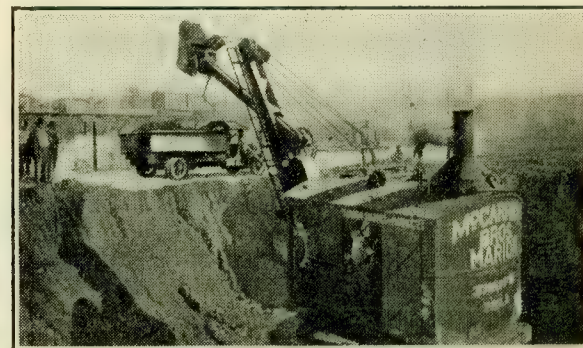
Store and Residence (alts. and add.), 2856 Germantown avenue, \$3,000. Architect, private plans. Owner, H. B. Jones, 2752 Germantown avenue, Philadelphia. Brick, 2 stories add., 22x20 feet, general alterations. Contract awarded to Shechtman & Bro., 1924 North Marshall street.

Office and Restaurant (alts.), 1205-07 Walnut street, \$3,000. Architect, private plans. Owner, Ferdinand Keller, 216 South Ninth street, Philadelphia. General alterations. Contract awarded to Joseph S. Creamer, 1739 North Twenty-sixth street, Philadelphia.

Residence (add.), 2307 Delancy street, Philadelphia, \$2,000. Architect, private plans. Owner, H. H. Pease, on premises. Brick, 2 stories add., 16x12 feet, slag roof, pine floors. Contract awarded to William Ferguson & Son, 405 South Twenty-first street, Philadelphia.

Store Building (alts. and add.), 2430 South Seventh street, Philadelphia, \$6,000. Architect, private plans. Owner, Frank Borenstein, on premises. Brick, 2 stories add., 3x4 feet, 9x13 feet, general alterations. Contract awarded to J. Goldfarb, 2523 South Reese street, Philadelphia.

Residences (4), (2) 3328-30 Edgemont street



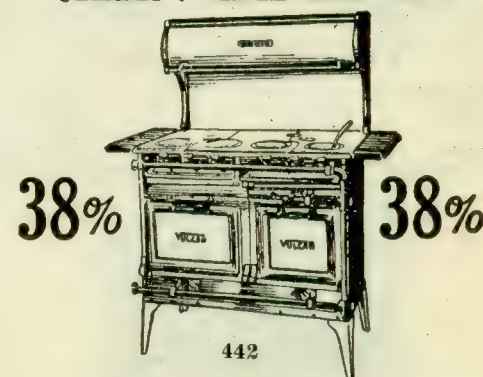
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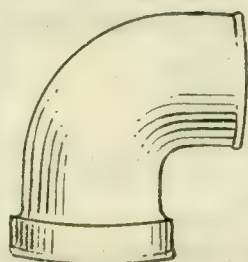
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and (2) 3317-19 East Thompson street, Philadelphia, \$5,500 each. Owner, A. Buszenski, 3355 East Thompson street, Philadelphia. Brick, 2 stories, 16x51 feet and 16x41 feet, 11x14 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to S. Pietrykowski, 2607 East Allegheny avenue.

Residences (2), 112-14 Vassar street, Philadelphia, \$5,500 each. Owner, Walter Midezarek, 116 Vassar street, Philadelphia. Brick, 2 stories, 16x40 feet, 11x14 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to S. Pietrykowski, 3416 Richmond street, Philadelphia.

Store and Residence (add.), Southwest Corner Cheltenham avenue and Baynton street, Philadelphia, \$5,000. Owner, F. Gravenenia, 257 Armat street, Philadelphia. Brick, 2 stories add., 29x30 feet, slag roof, pine floors. Contract awarded to Charles Dovolio, 124 East Cheltenham avenue, Philadelphia.

Residence, South side Dearnley street, East of Manti street, Philadelphia, \$4,700. Architect, private plans. Owner, Francis J. Little, 4343 Fleming street, Philadelphia. Frame, 2 stories, 24x24 feet, shingle roof, hardwood and pine floors. Contract awarded to Rosenberger & Behl, 4008 Fairhill street.

Factory (add.), 3916 Powelton avenue, Philadelphia, \$4,000. Architect, private plans. Owners, Brown's Confectionery Co., on premises. Brick, 3 stories add., 16x28 feet, slag roof, pine floors, electric work. Contract awarded to A. H. Moorshead, 67 Laurel street, Philadelphia.

Store and Club (alts. and add.), 1811 Fairmount avenue, \$6,000. Architect, private plans. Owners, Harrison Club, on premises. Brick, second story add., 17x24 feet, third story add., 17x24 feet, general alterations. Contract awarded to H. B. Johnson, Northeast Corner Fifteenth and Spring Garden streets.

Residence, East side Tabor road, North of Shelmire street, Philadelphia, \$5,300. Architect, private plans. Owner, William Straup, Land Title Building, Philadelphia. Frame, 1 story, 29 feet 6 inches x 32 feet, shingle roof, hardwood and pine floors, electric lighting. Contract awarded to Thomas S. Holloway, 1419 North Fifty-eighth street, Philadelphia.

Store, Residence and Garage (alts. and add.), 1400-02 North Sixtieth street, \$5,000. Architect, private plans. Owner, Dr. Bergman, Sixtieth and Market streets, Philadelphia. Brick, 2 stories add., 16x7 feet, 1 story, 16x16 feet, general alterations. Contract awarded to L. A. Leary, 1130 North Sixty-fourth street, Philadelphia.

Residence, South side Gilham street, East of J street, Philadelphia, \$5,000. Architect, private plans. Owner, George Ungerer, 4921 North Fairhill street, Philadelphia. Brick, 2 stories, 16x38 feet, hot water heat, electric light, hardwood and pine floors, slag roof. Contract awarded to William Schmitt, 4937 North Fairhill street, Philadelphia.

Residences (6), East side Ross street, North of High street, Philadelphia, \$4,500 each. Architect, private plans. Owner, L. Angalone, 336 East Price street, Philadelphia. Brick, 2 stories, 16x28 feet, 12x11 feet, hot water heat, electric light, slag roof. Contract awarded to Charles M. Sinn, 5518 North American street, Philadelphia.

Residence and Store (alts.), 1816 Fairmount avenue, \$2,000. Architect, private plans. Owner, Mrs. A. H. Engle, on premises. General alterations. Contract awarded to Samuel J. Rea & Son, 1608 Fairmount avenue.

Residence and Store (add.), 2435 South Seventh street, Philadelphia, \$2,800. Architect, private plans. Owner, Louis Needleman, on premises. Brick, 1 story, 11x14 feet, slag roof, pine floors, electric work. Contract awarded to Broad & Fishblin, 2636 South Percy street.

Garage (add.), East side Jasper street, South of Madison street, \$2,700. Architect, private plans. Owner, Charles M. Wasson, Kensington avenue and Wishart street. Brick, 1 story add., 82x17 feet, slag roof, cement floors. Contract awarded to Edw. Morrow, 4693 Castor road, Philadelphia.

Manufacturing Building (add.), 617 Wood street, Philadelphia, \$2,500. Architect, private plans. Owner, Earl McGrath, on premises. Brick, 1 story add., 18x36 feet, slag roof, cement floors. Contract awarded to Smith-Hardican Co., 1809 Callowhill street.

Residence, East side F street, North of Rhawn street, Philadelphia, \$4,000. Architect, private plans. Owner, Paul Rossa, 1532 North Seventeenth street, Philadelphia. Frame, 2 stories, 16x12 feet, 22x11 feet, shingle roof, electric work. Contract awarded to J. Hathaway & Son, 2806 Frankford avenue.

Residence (alts.), 400 Gowan avenue, Philadelphia, \$3,400. Architect, private plans. Owner, Fred M. Klauder, on premises. General alterations. Contract awarded to W. C. Wright, 22 Harvey street, Philadelphia.

Garage, 4039-41 Germantown avenue, Philadelphia, \$2,000. Architect, private plans. Owner, M. Bandura, 4009 Germantown avenue, Philadelphia. Brick, 1 story, 18x73 feet, slag roof, cement floors. Contract awarded to Frank Radowski, 4329 North Sixteenth street, Philadelphia.

Pennsylvania Construction News

Church, Ambler, Pa. Architect, C. L. Caspary, 225 South Seventeenth street, Philadelphia. Owners, Ambler Baptist Church, Ambler, Pa. Stone, 1 story, 40x76 feet, asbestos slate roof, maple floors, plumbing, steam heat, electric light, ornamental iron work, wrought iron pipe. H. P. Schneider, 1317 Old York road, taking sub-bids.

Residence (alts.), Penbrook, Lansdale, Pa. Architect, Edward Schoeppe, 315 South Fifteenth street, Philadelphia. Owner, name withheld. Hollow tile, cinder block, stuccoed, addition, 12x16 feet, hot water heat, electric light, black slate roof, composition floors, new enclosed concrete porches, plumbing, well. Architect will be ready for bids March 24th from local bidders.

Residence and Garage, Sewickley, Pa. Architect, C. A. Ziegler, 1309 Locust street, Philadelphia. Owner, W. L. Clause, care of architect. Stone, 2½ stories. Plans about completed. Ready for bids in a few days.

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Residence, Wyncote, Pa. Architect, L. Walton Heiss, Jenkintown, Pa. Owner, J. Frank Roberts, Wyncote, Pa. Frame, stucco, 2½ stories, 26x40 feet, black slate roof, hardwood floors, hot water heat, electric light, tile work. Owner taking bids due March 26th.

Filling Station, Conshohocken road and Ford road, Conshohocken, Pa. Architect, T. Edward Ash, 1012 Walnut street, Philadelphia. Owner, name withheld. Brick, rough cast, 1 story, 18x41 feet, electric light, cement floors. Plans about completed.

Residence and Garage, Glenside, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, Harry Renninger, Glenside, Pa. Stone, 2½ stories, 28x56 feet, 2 stories, 20x22 feet, variegated slate roof, hardwood floors, hot water heat, electric light, tile work, cement work. Plans in progress. Ready for bids in a few days.

Apartment House, Ardmore, Pa. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, name withheld. Brick, steel, 3 stories, 106x57 feet, (12 apartments), slag roof, hardwood floors, vapor heat, electric light, tile work. Plans completed. Ready for bids in a few days.

Residence, Haverford, Pa. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, J. Douglas Darby, Haverford, Pa. Hollow tile, stucco, 2½ stories. Plans in progress. Too early for details.

Oil Station, Alden, Pa. Architect, J. A. Boyle, Bennett Building, Wilkes-Barre, Pa. Owner, F. M. Cox, Alden, Pa. Tile, stucco, 1 story and basement, 18x24 feet, asbestos shingle roof, wood floors, electric light, plate glass. Plans in progress.

Residences (2), Wilkes-Barre, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre. Owner, name withheld. Local stone, 2½ stories, 29x57 feet, tile roof, hardwood floors, vapor heat, electric light, tile work. Plans in progress.

Store, South Main street, Wilkes-Barre, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, name withheld. Brick, stucco, 3 stories, 25x150 feet, slag roof, tile and maple floors, metal ceilings, electric light, tile and marble work, rolled steel skylights, general interior alterations. Plans in progress.

Church, Derry street, Harrisburg, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owners, Olivet Presbyterian Church, Derry street, Harrisburg, Pa. (Rev. S. A. Bower). Stone, 35x80 feet. Plans in progress.

City Hall, Steelton, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owner, care of John C. Craig, Burgess, Steelton, Pa. Probably stone, 3 stories, 40x80 feet. Plans in progress.

Garage (3 car), Harrisburg, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owner, Arch. G. Knisely, Front and Maclay streets, Harrisburg. Stone. Plans in progress.

Y. M. C. A., Hazleton, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Y. M. C. A. Association, Hazleton, Pa. Preliminary plans in progress.

School, Huntingdon Valley, Pa. Architects, Druckenmiller & Williams, 1537 Chestnut street, Philadelphia. Owners, Lower Moreland Township, W. Ridgeway, Huntingdon Valley, Pa. Brick, 2 stories and basement, 75x80 feet, steam heat, electric light, slag roof, pine floors. Plans about completed. Ready for bids in a few days.

Residence, Ardmore Park, Pa. Architect and owner, John Charles Norton, Ardmore, Pa. Penn Building Block, plastered, 2½ stories, 24x36 feet, shingle and slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress. Ready for sub-bids in one week.

Convent, Nesquehoning, Pa. Architect, M. G. Prutzman, Court House, Mauch Chunk, Pa. Owners, Sacred Heart Roman Catholic Church, Rev. J. O'Connor, Nesquehoning, Pa. Brick or hollow tile, 2 stories, 36x42 feet, hardwood and pine floors, electric light, tile work. Plans in progress. Architect will be ready for bids in about one month.

Store, Hall and Apartment Building, Nesquehoning, Pa., \$90,000. Architect, M. G. Prutzman, Court House, Mauch Chunk, Pa. Owner, Michael Tyabala, Nesquehoning, Pa. Brick, 3 stories, 45x200 feet, slag roof, hardwood and pine floors, electric lighting, tile work, steam heat. Plans in progress. Architect will be ready for bids in about one month.

Masonic Building, Lehigh, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown. Owners, Masonic Hall Association, Lehigh, Pa. Brick, steel, block and tile, 3 stories, 65x130 feet. Preliminary plans in progress.

Residence, Mount Carmel, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown. Owner, Donald Smith, Mt. Carmel, Pa. Stone, brick, 2 stories, 60x43 feet, tile roof, hardwood floors, vapor heat, electric light, tile work, ornamental iron work. Plans in progress.

Residence, Woodcrest, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown. Owner, Robert Miller, 330 North Eighth street, Allentown, Pa. Brick, 2 stories, 28x30 feet, slate roof, hardwood floors, hot water heat, electric light. Owner taking bids.

Residences (twin) (9), College View, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown. Owner, Wayne Nagle, 801 Chew street, Allentown, Pa. Cinder block and stucco, 1 story, 30x60 feet, tile and asphalt roof, hardwood floors (heating and electric reserved), tile work, steel casements, cast stone. Owner taking bids.

Double Residence, Preston Avenue, Haverford, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, Mrs. John Taswell, Preston avenue, Haverford, Pa. Penn Building Block, stucco, 2½ stories, 18x32 feet, shingle roof, hardwood and cement floors, hot water heat, electric light, tile work. Plans about completed. Architect ready for general and sub-bids in a few days.

Store and Apartment (alts. and add.), Shamokin, Pa. Architect, Louis Reisman, Miller Building, Scranton, Pa. Owner, Eli Moskovitz, Shamokin, Pa. Brick, steel, 3 stories, 36x60 feet, slag roof, pine floors, roof ventilators, metal ceilings, waterproofing and dampproofing, iron stairs, plate glass, copper work, fire doors, metal lath, tile and marble work, steam heat, electric light. Owner taking bids.

Garage, Lackawanna avenue, Scranton, Pa. Architect, Lester M. Davis, 616 Spruce street, Scranton, Pa. Owner, P. J. Casey, Hotel Casey, Scranton, Pa. Steel, brick, concrete, 4 stories, 120x160 feet, composition roof, concrete floors, hollow tile, roof ventilators, waterproofing (heating, plumbing and electric reserved), rolled steel sash, hollow metal skylights and doors, floor hardener, concrete stairs. Architect taking bids due April 1st.

Store and Apartment (2), County Line road, Ardmore, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, Louis Mariana, et al., Ardmore, Pa. Brick, steel, 2 stories, 20x75 feet, slag roof, hardwood floors, hot water heat, electric light, tile work, hollow metal skylights, kalamein doors, metal bulks, travertine finish. Plans completed. Owner taking sub-bids.

Apartment Building, Glenbrook avenue, Bryn Mawr, Pa. Architect, John Charles Nor-

ton, Ardmore, Pa. Owner, Andrew Marmer, Glenbrook avenue, Bryn Mawr, Pa. Brick, steel, 3 stories, 36x68 feet, hot water heat, electric light, slag roof, hardwood floors, tile work, hollow metal skylights, metal ceilings, ornamental iron work, Prest prism glass. Plans about completed. Architect ready for general bids and sub-bids.

Store and Residence (int. and ext. alts.), Bryn Mawr, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, Joseph D'Angelo, Bryn Mawr, Pa. General alterations to residence, rear add., brick, 1 story, 15x22 feet, slag roof, hardwood floors, hot water heat, electric light, tile work, plumbing, painting, metal ceilings, cement work, metal bulks. Plans in progress.

Residences, Twin (3 pair) and 1 Single Residence, Bryn Mawr, Pa. Architect, John Charles Norton, Ardmore, Pa. Owners, Doyle Brothers, 715 Lancaster avenue, Bryn Mawr, Pa. Penn Building Block, stuccoed, 2½ stories, 18x40 feet, asbestos shingle, slate, shingle roof, hardwood floors, sun porches, hot water heat, electric light. Owners will build and will be ready for sub-bids in one week.

Residences (3), Wynnewood, Pa. Architect, private plans. Owners, M. J. Wilson & Co., care of builder. Stone, hollow tile, stucco, 2½ stories, irregular size, ornamental wrought iron, steel casements, hot water heat, electric light, tile work, shingle and tile roof, hardwood floors. Donald Flanigen, 1504 Locust street, Philadelphia, taking sub-bids due March 27th.

Dormitory Building, Easton, Pa. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, Lafayette College, Easton, Pa. Brick, stone, steel, 3 stories. Preliminary plans in progress.

Schools (2), Brookline, South Ardmore, Pa. Architects, Boyd, Abel and Gugert, Otis Building, Philadelphia. Owners, Haverford Township School Board, W. J. Serrill, Haverford, Pa. Preliminary plans in progress.

Apartments (4), Allentown, Pa. Engineer, A. J. Bibighaus, 530 Hamilton street, Allentown, Pa. Owner, Charles Herbein, care of engineer. Brick, 2 stories, 63x34 feet, Barrett roof, pine floors, vapor vacuum heat, electric light. Plans in progress.

School, Bechtelsville, Berks County, Pa. Engineer, A. J. Bibighaus, 530 Hamilton street, Allentown, Pa. Owners, Borough of Bechtelsville School Board, S. B. Hummelberg, secretary, Bechtelsville, Pa. Brick, 1 story, 4 rooms, concrete roof and floors, hot air heat, electric light. Plans in progress.

Factory Building, Allentown, Pa., \$113,000. Engineer, A. J. Bibighaus, 530 Hamilton street, Allentown, Pa. Owners, name withheld. Reinforced concrete and steel, 5 stories, 230x54 feet, concrete roof and floors, elevator, electric light, metal lath, rolled steel sash, fire doors, iron stairs. Plans in progress.

Bungalows (4), Allentown, Pa. Engineer, A. J. Bibighaus, 530 Hamilton street, Allentown, Pa. Owner, name withheld. Brick, frame, 1 story, 22x30 feet, slate roof, pine floors, pipeless heat, electric light. Plans in progress.

Apartment and Store, 400 block, Hamilton street, Allentown, Pa. Architect, E. R. Biting, Odd Fellows' Building, Bethlehem, Pa. Owner, Mr. Neff, 415 Hamilton street, Allentown, Pa. General alterations. Preliminary plans in progress.

Garage and Residence (add.), Bethlehem, Pa. Architect, E. R. Biting, Odd Fellows' Building, Bethlehem, Pa. Owner, Fred Whiteman, Linden and Elm streets, Bethlehem, Pa. Stucco, 2 stories, Spanish tile roof, hardwood floors, vapor heat, electric light, tile and marble work. Owner taking sub-bids.

Paving and Curb Work, Oakmont, Delaware County, Pa. Owners, Commissioners of Haverford Township, E. R. Tatnall, care of Highway Commission, Township Building, Oakmont, Pa. 7,000 feet straight concrete curb, 300 feet curved concrete curb, 5,000 feet stone curbing, 40,000 feet (square) of cement sidewalk, 1,000 square yards concrete gutter. Certified check \$500 must accompany each bid. Owners taking bids due March 30th, 8 P. M.

Day Nursery (add.), Scranton, Pa. Architect, Fred Nelson, Connell Building, Scranton, Pa. Owners, Scranton Day Nursery, care of architect. Frame, 2 stories, composition floors, general interior alterations. Plans in progress.

Residence, Scranton, Pa. Architect, F. A. Nelson, Connell Building, Scranton, Pa. Owner, F. A. Schwenck, Scranton, Pa. Frame, stucco, 2½ stories, 33x42 feet, shingle roof, hardwood floors, vapor heat, electric light, tile work. Plans in progress.

Hotel (alts.), Wilkes-Barre, Pa. Architect, Clark Wright Evans, Coal Exchange Building, Wilkes-Barre, Pa. Owner, V. Eisman, 2 Terrace street, Wilkes-Barre, Pa. Brick and stone, 1 story, general alterations. Plans in progress. Architect will be ready for bids in a week or ten days.

Residence, Powell road, Ardmore, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, Andrew Calhoun, Wyoming avenue, Ardmore, Pa. Brick, Penn Building block, 3 stories, 68x36 feet, slate roof, hardwood floors, hot water heat, electric light, metal lath, tile work, cement work, garages in basement, kitchen equipment. Plans in progress.

Double Residences, Ardmore avenue, Ardmore Park, Pa. Architect, John Charles Norton, Ardmore, Pa. Owners, Tony White & Son, Ardmore Park, Pa. Frame, plastered, 2½ stories, 16x37 feet each, shingle roof, pine floors, hot air heat, electric light. Plans completed. Owner ready for sub-bids.

Semi-Detached Residences (20), Miller avenue, Upper Darby, Pa. Architect and engineer, M. M. Boonin, 17 South Seventeenth street, Philadelphia. Owners, Kolker & Lapidus, 150 South Sixtieth street, Philadelphia. Stone, Penn Building Block, stucco, 2 stories, 16x30 feet and 18x12 feet, hot water heat, electric light, shingle and slag roof, oak and pine floors, tile work. Owners taking sub-bids due as soon as possible.

Garage, Collingdale, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Geutter & Nichols, Collingdale, Pa. Brick, reinforced concrete, steel, 1 story, 60x125 feet, steam heat, electric light, slag roof, cement floors, metal lath, roof ventilators, plate glass, flush bulks. Owners taking sub-bids.

Grade School, East Honesdale, Pa. Architects, E. H. Davis and George M. D. Lewis, Union Bank Building, Scranton, Pa. Owners, Honesdale School Board, care of secretary, Honesdale, Pa. Brick, fireproof, 2 stories, 8 rooms, slag roof, pine floors, safety treads, roof ventilators, waterproofing (heating, electric and plumbing separate), metal lath, steel sash, skylights, iron stairs. Owners ready for bids.

Grade School, West Honesdale, Pa. Architects, E. H. Davis and George M. D. Lewis, Union Bank Building, Scranton, Pa. Owners, Honesdale School Board, care of secretary, Honesdale, Pa. Brick, fireproof, 8 rooms, slag roof, pine floors, safety treads, roof ventilators, waterproofing (heating, plumbing and electric separate), metal lath, steel sash, skylights, iron stairs, ornamental iron work. Owners ready for bids.

Residence, Kingston, Pa. Architect, T. S. Newman, Bennett Building, Wilkes-Barre, Pa. Owner, J. Sosnowski, Kingston, Pa. Frame, 2½ stories, 40x28 feet, asbestos roof, hard-

wood floors, vapor heat, electric light, tile work. Owner will build.

Apartment House, Elkins Park, Pa. Architect, Roy C. Pratt, Franklin Trust Building, Philadelphia. Owners, Apartment Const. Co., Franklin Trust Building, Philadelphia. Cinder block, stucco, 3 stories, 40x100 feet (18 family apartments), Spanish tile roof, hardwood floors, hot water heat, electric light, tile and marble work. Owners taking sub-bids due March 28th.

Residence and Garage, College avenue and Coopers town road, Haverford. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, George R. Sinnickson, Esq., care of architect. Stone, cut stone, limestone (heating, plumbing, electric, weather stripping reserved), shingle roof, oak, pine and cement floors, tile work, ornamental iron work. Architects taking bids due March 30th.

Residence (add. and alts.) to Library, Kingston, Pa. Architects, Mack & Sahn, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Hoyt Library, Borough of Kingston, Kingston, Pa. Brick, stucco, 2 stories, hardwood floors, general alterations, iron stairs (heating, plumbing, electric reserved). Owners taking bids due March 30th.

Department Store, Sixth and Hamilton streets, Allentown, Pa. Architects, Jacoby & Everett, Allentown, Pa., and J. G. Brugger, 505 Chestnut street. Engineers, Carson & Carson, 22 South Fifteenth street, Philadelphia. Owners, Zollinger-Harned Co., Allentown, Pa. Reinforced concrete, brick, steel, granite, limestone, 3 stories and basement, 185x60 feet, wing 40x36 feet (plumbing, heating, electric and sprinkler reserved), slag roof, cement floors, hollow tile, elevators, shoring, waterproofing and dampproofing, ornamental iron work, bond, fire and kalamein doors, rolling steel skylights, rolled steel sash, tile and marble work, ornamental plaster, steel partitions, bronze work, composition treads, revolving doors. Jacoby & Everett, Allentown, Pa., taking bids due March 31st.

Athletic Field, Eleventh and Twelfth, Church and Willow streets, Easton, Pa. Architect, A. D. Chidsey, Jr., Easton, Pa. Owners, Easton School District, Easton, Pa. Concrete work, iron work, grading, concrete work, cinder track, waterproofing. Architect taking bids.

Residence, Nazareth, Pa. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owner, Fred Martin, Nazareth, Pa. Brick, 2½ stories, 50x30 feet, slate roof, hardwood floors, hot water heat, electric light, tile work, electric refrigeration. Architect taking bids due in three weeks.

Residence and Garage, Rose lane, Haverford, Pa. Architect, C. A. Ziegler, 1309 Locust street, Philadelphia. Owner, Robert B. Greer, Land Title Building, Philadelphia. Stone, 2½ stories, hot water heat, electric light, tile and marble work, shingle roof, hardwood floors. Architect taking bids due March 30th.

Buildings, Reading, Pa. Architect, S. T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Grading, portion of present engine storage yard, submerged typ ash pits, crane runway foundations, 2 inspection pits, 5 water columns, pits, water supply and drainage, 2 wash and locker buildings, 1 story, 11x33 feet, 1 story, 8x24 feet, concrete, carpentry and mill work, structural steel, iron work, reinforced steel, fire hydrants, cast iron water pipe, brick work, asphalt floors, terra cotta coping, built up asbestos roof, wrought iron pipe, plumbing, steam heat, electric work (structural steel in ash pits, crane runway superstructure, crane and aril chairs on inspection pits reserved). Owners taking bids due March 28th.

Newspaper Plant, Scranton, Pa. Architects, E. H. Davis and George M. D. Lewis, Union Bank Building, Scranton, Pa. Owners, Scranton Times, Spruce street, Scranton, Pa. Limestone, steel, concrete, 4 stories, 173x78 feet, slag roof, marble and hardwood floors, hollow tile, elevators, safety treads, roof ventilators, waterproofing and dampproofing, terra cotta, ornamental iron work, iron stairs, fire doors, tile and marble work, metal lath, electric light. Dwight P. Robinson Co., 125 East Forty-sixth street, New York City, are ready for sub-bids.

High School (alts. and add.), Susquehanna, Pa. Architect, J. A. Barrett, Bowman Building, Scranton, Pa. Owners, School Board of Susquehanna, care of architect. Semi-fireproof, reinforced concrete, brick, steel, 3 stories, 33x164 feet, slag roof, maple floors (heating, plumbing and electric work separate), metal lath. Architect will be ready for bids April 1st.

Pennsylvania Contracts Awarded

Residence, Ardmore, Pa. Architect, A. H. Brockie, 254 South Fifteenth street, Philadelphia. Owner, Stacy B. Lloyd, care of architect. Stone, brick, cut stone, 2½ stories, 52x40 feet, wing 16x28 feet, slag and slate, canvas roof, oak and pine floors, plumbing, rolling steel sash, tile and marble work, metal lath, hot water heat, electric light, flagstone. Contract awarded J. Sims Wilson, 1125 Brown street, Philadelphia.

Twin Residences (3 pair), Jenkintown, Pa. Architect, L. Walton Heiss, Jenkintown, Pa. Owner, A. A. Keiser, Jenkintown, Pa. Concrete block, stucco, 2 stories, 15x40 feet, built-up asbestos roof, hardwood floors, hot water heat, electric light, tile. Contract awarded Wilbur Mitchell, Lansdale, Pa.

Hotel, Ninth and Cumberland streets, Lebanon, Pa., \$1,000,000. Architects, Weber & Wurster, 1530 Locust street, Philadelphia. Owners, Lebanon Hotel Co., P. A. Voleker, 44 South Eighth street, Lebanon, Pa. Brick, stone, steel, 5 stories, steam heat, electric light, tile and marble work, fire doors, built-up roof, concrete and hardwood floors, elevators. Contract awarded John S. Hershey, Stephen Girard Building, Philadelphia.

Residences (4), Highland Farms, Abington, Pa. Private plans. Owners, Herkness & Stetson, Land Title Building, Philadelphia. Stone, brick, 2½ stories, 39x27 feet, shingle roof, oak and pine floors, plumbing, hot water heat, electric light, tile work, bond, ornamental iron work, galvanized iron pipe. Contract awarded E. Allen Reeves, Abington, Pa.

Hotel and Store, Milton, Pa. Architect, William L. Charr, Victory Building, Philadelphia. Owners, A. Beiman & Sons, Milton, Pa. Steel, stone, brick, 3 stories and basement, 44x165 feet (heating and plumbing reserved), steam heat, electric light, metal lath, tile, marble and terrazzo work, hollow metal skylights, store fixtures, bond, metal bulks, floor hardener, iron stairs, ornamental iron work, metal weather strip, slag roof, tile and maple floors. Work started. Contract awarded Raymond Reim, Milton, Pa.

Department Store, Wyoming Ave., Scranton, Pa. Architects, Edward H. Davis and Geo. M. D. Lewis, Scranton, Pa. Owners, Constance Realty Co., Inc., Scranton, Pa. Reinforced concrete, brick, cut stone, steel, 8 stories and basement, 137x56 feet (plumbing, heating, electric, elevators, sprinkler system, steel lockers reserved), slag roof, tile roof, cement and pine floors, roof ventilators, steel ceilings, waterproofing and dampproofing, architectural terra cotta, ornamental iron work, hollow

metal doors and sash, tile and marble work, metal lath, rule doors. Contract awarded Sinclair & Griggs, Medical Arts Building, Philadelphia.

Store, Pottsville, Pa. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owners, Doutrich Building, care of Mr. Underwood, Doutrich Clothing Store, Pottsville, Pa. Brick, steel, 2 stories and basement, 230x30 feet, slag roof, hardwood floors, freight elevators, steel work, metal ceilings, waterproofing and dampproofing, steel stairs, ornamental iron work, cast stone, fire doors, steel sash and skylights, tile and marble work, metal lath, vapor vacuum heat, electric light. Contract awarded to Sharp Const. Co., 22 North Fifth street, Reading, Pa.

Club, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Sons of Veterans, 144 North Eighth street, Allentown, Pa. Brick, stone, 5 stories and basement, 70x160 feet, built-up roof, hardwood floors, fan and steam heat, electric light, tile work, hollow tile, metal lath, elevators, roof ventilators, fireproof, slate and wood stairs, ornamental iron work. Contract awarded to Ochs Const. Co., 440 Wire street, Allentown, Pa.

Residences and Garages (3), Ithaca, Pa. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owners, P. H. Stull & Townsend, Ithaca, Pa. Stone, 2½ stories, brick, steel, 1½ stories, 64x40 feet, garage 29x18 feet (heating, plumbing, electric, tile, cork and composition floors reserved), shingle roof, oak, pine and cement floors, ornamental iron work, cement block. Contract awarded Metzger, Fisher & White, Otis Building, Philadelphia, but not signed.

School, Deavault, Charlestown Township, Chester, Pa. Architects, Boyd, Abel & Gugert, Otis Building, Philadelphia. Owners, School Board of Charlestown Township, Chester County, Pa. Contract awarded to H. S. Shallcross, Gratersford, Pa.

School, Coal Township, Northumberland County, Pa. Architect, Austin Reilly, Bennett Building, Wilkes-Barre, Pa. Owners, Coal Township School Board, Oneida street, Shamokin, Pa. Brick, steel, 2 stories, 83x142 feet, slag roof, pine floors, roof ventilators, cut stone, iron stairs and work, metal lath, tile and marble (heating, plumbing and electric separate). Contract awarded to Shamokin Lumber & Const. Co., Shamokin, Pa.

Residence and Office, New Hanover street, Wilkes-Barre, Pa. Architects, J. A. Boyle and T. S. Newman, Bennett Building, Wilkes-Barre. Owner, Dr. J. W. Cresler, 152 Hanover street, Wilkes-Barre, Pa. Brick and hollow tile, 2½ stories, 31x45 feet, slate roof, hardwood and rubber tile floors (heating, plumbing and electric reserved). Contract awarded to Watkins Const. Co., Kingston, Pa.

Office, Hotel, Dance Hall, Theatre and Stores, Gettysburg, Pa. Architect, William H. Lee, 1505 Race street, Philadelphia. Owners, Gettysburg Hotel Corporation, Gettysburg, Pa. Concrete, steel, hollow tile brick, 2 stories, 100x150 feet, slag roof, cement and hardwood floors, plumbing, steam heat, electric light. Contract awarded Austin Co., Jefferson Building, Philadelphia.

Residences (twin), Carol Boulevard, Highland Park, Pa. Architect, private plans. Owner, P. M. Dickson, Morris Building, Philadelphia. Frame, stucco, 2½ stories, hot water heat, electric light, tile work, shingle roof, oak and pine floors. Contract awarded Thompson Lockhart, 6 South Fortieth street, Philadelphia, who are taking sub-bids.

Department Store (alts. and add.), Lancaster avenue, Ardmore, Pa. Architect, John Charles Norton, Ardmore, Pa. Owners, Spritzer Department Store, on premises. New front, hardwood floors, tile and marble work, metal

ceilings and transoms, metal bulks, electric light and fixtures. Contract awarded L. Spencer, Cricket avenue, Ardmore, Pa.

Pasttime Theatre (alts.), Lewistown, Pa. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, Ike Berney, Lewistown, Pa. New front, terrazzo work, ornamental terra cotta. Contract awarded J. Steinback, Lewistown, Pa., who will be ready for sub-bids in one week.

School, Elkins Park, Pa. Architects, Paul A. Davis, 3rd, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, School Board of Cheltenham Township, Pa. Contract awarded on electric work to Eastern Electric Co., 1936 South College avenue, Philadelphia.

Garage (alts. and add.), Wyncote, Pa. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, George Horace Lorimer, Esq., on premises. Cement floors, carpentry and mill work, painting and glazing, plastering, stone work, repairs to shingle roof, electric work, cut stone, iron and steel, plumbing, hardware (heating reserved). Contract awarded T. S. Fetter, 1829 Filbert street, Philadelphia.

Residence, Farrett avenue, Rosemont, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, Robert Conley, Rosemont, Pa. Frame plastered, 2 stories, 18x30 feet, shingle roof, hardwood floors, hot water heat, electric light, tile, cement porches. Contract awarded Doyle Brothers, 715 Lancaster avenue, Bryn Mawr, Pa.

New Jersey Construction News

Residence and Garage (alts.), 5217 West Chester avenue, Ventnor, N. J. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, Dr. E. A. Poreh, Ventnor, N. J. Plans completed. Owner ready for bids.

Bungalow, Office and Residence, Brigantine Beach, N. J. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owners, Four Island Development Co., care of J. Haywood, 1201 Atlantic avenue, Atlantic City, N. J. Concrete block, stuccoed, 1½ stories, 30x40 feet, 1 story, 20x30 feet, tile roof, residence, frame and shingle, 2 stories, 35x35 feet, shingle roof, pine and hardwood floors, hot water heat, electric light, tile work. Owner ready for bids.

Chemistry Building, Princeton, N. J. Architects, Day & Klauder, Franklin Bank Building, Philadelphia. Owners, Princeton University, Princeton, N. J. Stone, reinforced concrete, 3 stories, 200x200 feet, steam heat, electric light, rolling steel sash, English casements, slag roof, cement and asphalt floors. Plans about completed. Will be ready for bids in about three weeks.

Engineering Building, Princeton, N. J. Architects, Day & Klauder, Franklin Bank Building, Philadelphia. Owners, Princeton University, Princeton, N. J. Working plans in progress.

Machine Shop, Trenton, N. J. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, John E. Thropp & Sons, Inc., on premises. Brick, steel, 1 story, 82x161 feet, gypsum slag roof, cement floors, rolled steel sash, bond, floor hardener, ornamental iron work. Architect taking revised bids due March 27th.

School, Margate City, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owners, Margate City School Board, Mr. Witticks, president, Margate City, N. J. Architect selected.

Residences (3), Pitney avenue, Atlantic City, N. J. Architect, D. W. B. Haining, Guarantee Trust Building, Atlantic City, N. J. Owner, H. Abel, 215 South Vermont ave-

nue, Atlantic City, N. J. Brick, cinder block, 2½ stories, 16x40 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Residence, Hammonton, N. J. Architect, C. H. Adams, Chelsea Bank Building, Atlantic City, N. J. Owner, J. Anderson, care of architect. Frame, 2 stories, 24x40 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Bungalow, New Jersey and Caspen avenues, Atlantic City, N. J. Architect, A. F. Amodio, Atlantic City, N. J. Owner, Andrew Belies, Wilmington, Del. Brick, frame, stucco, 1½ stories, 32x65 feet, asbestos roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Apartment and Store, Atlantic City, N. J. Architect, C. H. Adams, Chelsea Bank Building, Atlantic City, N. J. Owner, name withheld. Brick, steel, 3 stories, 20x97 feet, slag roof, hardwood and rubberoid floors, hot water heat, electric light, metal lath, tile and marble work. Plans in progress. Architect will be ready for bids in one month.

Factory, Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Freeman Electric Co., Prince and Meade streets, Trenton. Brick, steel, 5 stories, 90x80 feet, slag roof, hardwood floors, roof ventilators, sprinkler system, steel stairs, fire doors, skylights, rolled steel sash, metal lath, electric light. Architect will be ready for bids next week.

Garage (6 car), Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Freeman Electric Co., Prince and Meade streets, Trenton. Brick, steel, 1 story, 37x32 feet, slag roof, concrete floors, vapor heat, electric light, rolled steel sash, skylights. Architect will be ready for bids next week.

Office Building, Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Freeman Electric Co., Prince and Meade streets, Trenton. Brick, steel, 3 stories, 44x82 feet, slag roof, hardwood and concrete floors, roof ventilators, dampproofing, cut stone, ornamental iron work, skylights, ventilators, vapor heat, electric light, metal lath, tile and marble. Architect will take bids next week.

Residence (alts. and add.), Woodbury, N. J. Architect, Edward Schoeppe, 315 South Fifteenth street, Philadelphia. Owner, name withheld. Brick, 2 stories, slag roof, pine floors, hot water heat, electric light, metal bulks, metal ceilings, plate glass. Architect taking sub-bids.

Sun Parlors, Biltmore Hotel, Atlantic City, N. J. Architect, J. O. Ogden, 143 South South Carolina avenue, Atlantic City. Owner, William Malamut, Oriental and Rhode Island avenues, Atlantic City. Frame, stucco and structural steel, 1 story, 49x60 feet, slag roof, hardwood floors, roof ventilators, glass. Owner taking sub-bids.

**MARBLE TILE
MOSAIC and CERAMICS**

Camden Tile Co.

**1484 Bradley Avenue
CAMDEN, N. J.**

BELL PHONE, CAMDEN 3827 W

Bank, Southwest Corner Collins and Rickey avenues, West Collingswood, N. J. Architects, Lackey & Hettle, 5 Hudson street, Camden, N. J. Owners, Memorial National Bank, West Collingswood, N. J. Reinforced concrete, stone, cast stone, 1 story and basement and mezzanine, 50x33 feet, slate roof, cement and oak floors, plumbing, shoring, waterproofing and dampproofing, steam heat, electric light, metal lath, terrazzo work, hollow metal sash, fire doors, bond, floor hardener, ornamental iron work, leaded glass, linoleum floors, composition stone, Duplex alarm system, galvanized iron pipe, steel bank partitions, bronze work. Architects taking bids due March 30th, before 5 P. M.

Installing Wooden Septic Tank, with drainage, tile and iron soil pipe, Beverly, N. J. Architect, Commanding Officer, Philadelphia Q. M., Twenty-first and Oregon avenue. Owners, United States Government, Intermediate Depot, Twenty-first and Oregon avenue. Owners taking bids due March 30th, 11 A. M.

School No. 3 (add.), Audubon, N. J. Architect, A. H. Moses, Temple Building, Camden, N. J. Owners, Board of Education, Audubon, N. J. Brick, reinforced concrete, steel, 2 stories, 37x83 feet, built-up roof, maple, mastic and cement floors, roof ventilators, bond, metal lath (plumbing, heating, electric and ventilating separate). Low bidders: George W. Shaner & Son, Palmyra, N. J., \$33,900; L. R. Hurley, 515 Lawrence avenue, Camden, N. J., \$33,970. Plumbing, Harry Knecht, West Collingswood, N. J., \$1,650. Heating and ventilating, Harry Knecht, West Collingswood, \$4,497. Electric, Eastern Electric Co., 1933 South College avenue, Philadelphia, \$450.

Craft Shop, Glen Garden, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, State of New Jersey Sanatorium for Tuberculosis, Glen Garden, N. J. Hollow tile and stucco, 1 story, 30x80 feet, slate roof, concrete and wood floors, hollow tile, roof ventilators, waterproofing (heating, plumbing and electric separate). Only bid submitted by A. L. Rake, Trenton, N. J., \$23,366.15.

School, Hainesport, N. J., \$33,471. Architects, P. L. Fowler Co., Fitzcharles Building, Trenton, N. J. Owners, Lumberton Township School Board, N. C. Gaunet, Hainesport. Brick, steel, 2 stories, 130x45 feet, slag roof, pine floors, roof ventilators, metal ceilings, iron stairs, bond, fire doors, steel sash (heating plumbing, electric separate). Low bidder: Woodland Const. Co., Sixty-fifth and Chester avenue, Philadelphia.

Road Work, New Jersey. Owners, State Highway Department, A. Lee Grover, secretary, 901 Broad Street Bank Building, Trenton, N. J. Route 15, Section 8, Rio Grande to Green Creek, Cape May County, excavation, borrow, reinforced concrete pavement, gravel shoulders. Owners taking bids due April 6th at noon. Deposit of \$10 required. Certified check required.

Bridge Removal and Construction, Trenton, N. J. Owners, State Highway Department, A. Lee Grover, secretary, 901 Broad Street Bank Building, Trenton, N. J. Removal of existing highway bridge and construction of new bridge consisting of bob-tailed swing span 89 feet 6 inches, 30 feet clear channel, 30 feet roadway, 6 feet extension for sidewalk, temporary timber bridge for traffic. Owners taking bids due March 30th at noon. \$10 deposit. Certified check.

Buildings, Vineland, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, State Home for Feeble Minded Women, Vineland, N. J. Brick, granite, steel (plumbing, heating, electric reserved), slag, slate, canvas roof, maple and cement floors, hollow tile, metal lath, tile and

marble work, hollow metal sash, kalamein doors, bond, floor hardener, iron stairs, ornamental iron work, shoring, waterproofing, limestone, bluestone, mastic floors, rubber tile, soapstone, cast iron pipe, wrought iron pipe, colony building and idiots, 2 stories and basement, 171x27 feet, 60x27 feet, low and middle grade, 2 stories and basement, 110x50 feet, recreation, 1 story, basement and gallery, 117x75 feet. Low bidders: Colony-General Const. & Cont. Co., Trenton, N. J., \$87,300; heating, G. J. Tobin, Plainfield, N. J., \$17,917; plumbing, Thomas D. Clark Co., Tenth and Pine streets, Philadelphia, \$18,475; electric, Strang Elec. Co., 214 South Seventh street, Philadelphia, \$2,215. Idiot-General Const. & Cont. Co., Trenton, N. J., \$85,981; heating, W. L. Boggs Co., Vineland, N. J., \$7,540; plumbing, W. L. Boggs Co., Vineland, N. J., \$6,364; electric, Stang Elec. Co., 214 South Seventh street, Philadelphia, \$1,863. Middle-C. McCaul Co., 1713 Sansom street, Philadelphia, \$84,360; heating, J. H. Johnson Co., Vineland, N. J., \$6,864; plumbing, N. Connolly, 1404 North Eighteenth street, Philadelphia, \$9,100; electric, Strang Elec. Co., 214 South Seventh street, Philadelphia, \$2,138. Recreation Building—Wills Bill Co., 1706 Sansom street, Philadelphia, \$92,440; heating, J. H. Johnson Co., Vineland, N. J., \$6,594; plumbing, N. Connolly, 1404 North Eighteenth street, Philadelphia, \$2,220; electric, Strang Elec. Co., 214 South Seventh street, Philadelphia, \$5,974.

New Jersey Contracts Awarded

Bungalow and Garage, Brigantine Beach, N. J. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owners, Four Island Development Co., care of H. Haywood, 1201 Atlantic avenue, Atlantic City, N. J. Concrete block, stuccoed, tile, 1½ stories, 38x52 feet, tile roof, pine and hardwood floors, hot water heat, electric, tile work. Contract awarded Ingersoll Const. Co., Linwood, N. J.

School Building (8 room), Pennsville, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owners, Board of Education, Township of Lower Penn's Neck, Salem County, N. J. Concrete and brick, 2 stories (plumbing, heating, electric and ventilating separate). Contracts awarded: Bennett-McLaughlin Co., 3260 Ludlow street, Philadelphia, \$63,140. Plumbing, heating, ventilating, F. H. Elliot, Pennsgrove, N. J., \$9,462. Electric, Enterprise Elec. Co., 239 South Tenth street, Philadelphia, \$830.

Garage, New York avenue and Boardwalk, Atlantic City, N. J. Architect, C. H. Conover, Freeman Building, Atlantic City, N. J. Owners, H. & Max Weinmann, Colonial Trust Building, Philadelphia. Steel, concrete block, 3 stories, 50x170 feet, slag roof, concrete floors, (1) elevator, roof ventilators, floor hardener, rolled steel sash, hot water heat, electric light. Contract awarded M. B. Markland, Atlantic City, N. J.

Apartments (2), Trenton, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owners, Bane Temple, 29 Hillcrest avenue, Trenton, N. J. Brick, frame, 2 stories, 32x47 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to Frank Groom, 503 North Hermitage street, Trenton, N. J.

Residence, Margate Park, N. J. Architect, C. H. Adams, Chelsea Bank Building, Atlantic City, N. J. Owner, Mrs. H. A. Moy, care of architect. Hollow tile and stucco, 2 stories, 20x30 feet, 12x12 feet, tile roof, pine floors, hot water heat, electric light, tile work. Contract awarded to Samuel Lippincott, Atlantic City, N. J.

Miscellaneous Construction News

Residence, Lower Neck, Long Island, N. Y. Architect, Bertram Grosvenor Goodhue; associates, F. L. Mayers, O. H. Murray, Hardie Phillip, 2 West Forty-seventh street, New York City. Owner, Wilton Lloyd Smith, care of architects. Brick, steel, stucco, stone, 2½ stories and basement, 87x20 feet, wing 35x24 feet, 57x27 feet, 70x25 feet, Vermont slate roof, oak and cement floors, plumbing, waterproofing and dampproofing, ornamental iron work, kalamein doors, rolling steel and hollow metal sash, tile and marble work, metal lath, electric light, steam heat, metal casements, bluestone, wrought iron pipe. Architects taking bids due March 28th.

High School (alts. and add.), Mechanicsville, N. Y. Architect, J. T. Simpson, Essex Building, Newark, N. J. Owners, Board of Education, Mechanicsville, N. Y. Owners taking bids due March 27th.

Road Work, Delaware. Owners, State Highway Department, Dover, Delaware. Low bidders on work opened March 18th, 1925. Contract No. 52, sidewalk at Claymont, Del., 4,000 feet; Dominick Fontana, Wilmington, Del., \$6,522. Contract CK-24, 4.92 miles, Dover-Little Creek; William Eisenberg, Smith-Austermuhl Building, Camden, N. J., \$156,971. Contract SC 30-A, concrete bridge at Rehoboth, 148 feet; Al S. Fox, Dayton, Ohio, \$30,647.

Miscellaneous Contracts Awarded

Building (alts. and add.), 737 West Fourth street, Wilmington, Del. Architect, private plans. Owner, I. Spiller, on premises. Brick, 3 stories, 12x30 feet, slag roof, pine floors (heating, electric and painting reserved). Contract awarded to F. G. Krapf, 421 Orange street, Wilmington, Del.

Just remember this: Give out courtesy, kindness, patience and good-will, and you'll get them all back with compound interest. The men who deserve to rank in Class A do not chew the lint and fuss about the small misfits of life. To take what comes and forget the rest is wisdom. Let Braggo give the janitor the call, and the Hall Boys have it out with the Ashbox Inspector—you can't afford to soil your soil with small scraps. Fight on a big scale, or not at all. The folks who have trouble with ushers are always looking for trouble—and find it. Smile, old boy, smile!

WE ASK YOU

Isn't it funny?
THAT A MAN WHO CONSIDERS
HIMSELF A BUSINESS MAN
Will get up in the morning
From an advertised mattress,
And put on advertised underwear,
Advertised hose, shirt, collar, tie and shoes.
Seat himself at a table and
Eat advertised breakfast food,
Drink advertised coffee or substitute,
Put on an advertised hat,
Light an advertised cigar,
Go to his place of business and
TURN DOWN ADVERTISING ON THE
GROUND THAT ADVERTISING DOESN'T
PAY!

Reference Directory for Architects, Builders and Owners

ARTESIAN WELLS.

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS AND ARCHITECTS' SUPPLIES.

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

ASPHALT CONSTRUCTION.

Rulon, Ralph V.239 N. 30th St., Phila.

BLUE PRINTS.

Blue Print Shop.1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

BLUE PRINT PAPER.

Blue Print Shop.1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS.

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

BRICK.

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.

BRICK (Face, Common, Paving).

Holloway Corporation.105-107 S. Third St., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS.

Mitchell Bros.2125 Race St., Phila.

BUILDING NEWS.

Daily Building News.Perry Bldg., Phila.

BUILDERS' SUPPLIES.

The Van Sclver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT.

The Van Sclver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK.

D'Lauro, John55 E. Mermaid Lane, Phila.

Massiah, Frederick. Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

COLUMNS (Metal).

Pearce Fireproof Co.1911 N. 2nd St., Phila.

COMPOSITION FLOORING.

Penna. Flooring & Woodoleum Mfg. Co.,
34 S. 17th St., Phila.

CONCRETE WORK.

Massiah, Frederick. Juniper and Cypress Sts., Phila.

CONTRACT BONDS.

Patton, Edward W.400 Lincoln Bldg., Phila.

CONTRACTOR'S EQUIPMENT

Lee T. Ward Co.617 Filbert St., Phila.

CORK FLOORING

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

CURTIS WOODWORK.

Gillingham Co.Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS.

Building News Pub. Co.Perry Bldg., Phila.

DAMP-PROOFING.

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger.829 N. 3rd St., Phila.

Concrete Waterproof Paint Co.829 N. 3rd St., Phila.

Master Builders' Co.,
Room 601, 1524 Chestnut St., Phila.

DRAWING MATERIALS.

Robbins, Chas. H., Co.1729 Sansom St., Phila.

Warren-Knight Co.136 N. 12th St., Phila.

Weber, F., Co.125 S. 12th St., Phila.

Well, J. H., Co.1315 Cherry St., Phila.

ELECTRICAL SUPPLIES.

Cass, Philip, & Co.40 N. 5th St., Phila.

EXCAVATING.

McCarrick Bros.3138 N. 24th St., Phila.

Morrissey Bros.4345 N. 7th St., Phila.

FENCES.

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co.Erie Ave. and "D" St., Phila.

Reisbord, Wolf.4437-43 Ludlow St., Phila.

FIREPLACE EQUIPMENT.

F. R. Rosen.5216 Walnut St., Phila.

FIREPROOFING.

Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLOOR HARDENER.

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Concrete Waterproof Paint Co.829 N. 3rd St., Phila.

Master Builders' Co.,
Room 601, 1524 Chestnut St., Phila.

FLOOR PLATES.

Truscon Laboratories.1505 Race St., Phila.

FLUE LINING.

Wood, Alan, Iron & Steel Co. Widener Bldg., Phila.

FURNACES AND RANGES.

Cox, Abram, Stove Co.,
American and Dauphin Sts., Phila.

Fleck Bros.44 N. 5th St., Phila.

Miller, Henry M.46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc.64 N. 2nd St., Phila.

GARAGE HEATERS.

Fleck Bros. Co.50 N. 5th St., Phila.

GAS RANGES.

Abram Cox Stove Co.,
American and Dauphin Sts., Phila.

Fleck Bros. Co.50 N. 5th St., Phila.

Miller, Henry M.46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co.1026 Arch St., Phila.

F. R. Rosen.5216 Walnut St., Phila.

Thomson, Wm., Inc.64 N. 2nd St., Phila.

HARDWOOD FLOORS.

Wood, L. H.3312 Lancaster Ave., Phila.

HAULING CONTRACTORS.

Dooley, John J.39 S. 19th St., Phila.

McCarrick Bros.3138 N. 24th St., Phila.

HEATING CONTRACTORS.

Bowers Bros. & Co.2015 Sansom St., Phila.

HEATING BOILERS.

Cox, Abram, Stove Co.,
American and Dauphin Sts., Phila.

Fleck Bros. Co.50 N. 5th St., Phila.

HEATING SPECIALTIES.

Sheffler-Gross Co.Drexel Bldg., Phila.

HOLLOW METAL WINDOWS.

McFarland-Meade Co.,
70th and Kingsessing Ave., Phila.

Tinney, Walter H., Co.,
63rd and Woodland Ave., Phila.

HOLLOW TILE.

Clausen, Wm. H.27th and Diamond Sts., Phila.

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.

Ketcham, O. W.121 N. 18th St., Phila.

HOT WATER GENERATORS.

Edwin Elliot & Co.1011 Chestnut St., Phila.

INSURANCE.

Insurance Co. of North America,
3rd and Walnut Sts., Phila.

Patton, Edward W.400 Lincoln Bldg., Phila.

Philadelphia Fire & Marine Ins. Co.,
1711 Chestnut St., Phila.

IRON AND STEEL BARS AND PLATES.

Lukens, Lewis N.19th and Washington Ave., Phila.

Montgomery Iron & Steel Co. 918 W. Berks St., Phila.

Potts, Horace T., & Co.Erie Ave and D St., Phila.

Reisbord, Wolf.4437-43 Ludlow St., Phila.

Wood, Alan, Iron & Steel Co. Widener Bldg., Phila.

KITCHEN CABINETS.

Housel, J. W., Co.,
S. E. Cor. 21st and Market Sts., Phila.

Philadelphia Gas Range Co.1026 Arch St., Phila.

F. R. Rosen.5216 Walnut St., Phila.

LEVELS.

Robbins, Chas. H., Co.1729 Sansom St., Phila.

Warren-Knight Co.136 N. 12th St., Phila.

Weber, F., Co.125 S. 12th St., Phila.

Well, J. H., Co.1315 Cherry St., Phila.

LIGHT IRON CONSTRUCTION.

Murlin Mfg. Co.5420 Paschall Ave., Phila.

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

LINOTILE.

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

LUMBER.

Felin, Chas. F., & Co.,
Old York Road, above Butler St., Phila.

Gillingham Co.Norris and Richmond Sts., Phila.

Ketcham, Howard.3rd and Girard Ave., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC.

Belfi Bros. Co.1923 Market St., Phila.

Italian Marble Mosaic Co.433 Spruce St., Phila.

Penna. Tile & Mosaic Co.1637 Wood St., Phila.

Roman Mosaic & Tile Co.435 Green St., Phila.

Wilson, Wm. G.1524 Sansom St., Phila.

MASON BUILDER.

D'Lauro, John55 E. Mermaid Lane, Phila.

MASTIC FLOORING.

Rulon, Ralph V.239 N. 30th St., Phila.

METAL LATH.

Pearce Fireproof Co.1911 N. 2nd St., Phila.

METERS.

Phila. Meter Co.Real Estate Trust Bldg., Phila.

MILLWORK.

Gillingham Co.Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

ORNAMENTAL IRON.

Murlin Mfg. Co.5420 Paschall Ave., Phila.

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf.4437-43 Ludlow St., Phila.

PAINTS AND VARNISHES.

Barnett Bingswanger.829 N. 3rd St., Phila.

Truscon Laboratories.1505 Race St., Phila.

PAVING BRICKS.

Ketcham, O. W.121 N. 18th St., Phila.

PHOTOSTATS.

Weber, F., Co.125 S. 12th St., Phila.

PLUMBING FIXTURES.

Fleck Bros. Co.44 N. 5th St., Phila.

PORCH ENCLOSURES.

Malla, Thomas.226 W. Mentor St., Phila.

RADIATOR CABINETS.

Radiator Cabinet Co.Drexel Bldg., Phila.

RANGES.

Cox, Abram, Stove Co.,
American and Dauphin Sts., Phila.

Miller, Henry M.46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co.1026 Arch St., Phila.

F. R. Rosen.5216 Walnut St., Phila.

Thomson, Wm., Inc.64 N. 2nd St., Phila.

REFRIGERATORS.

Miller, Henry M.46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co.1026 Arch St., Phila.

F. R. Rosen.5216 Walnut St., Phila.

REINFORCING BARS.

Lukens, Lewis N.19th and Washington Ave., Phila.

Montgomery Iron & Steel Co. 918 W. Berks St., Phila.

H. T. Potts & Co.Erie Ave. and "D" St., Phila.

ROAD MACHINERY.

Lee T. Ward Co.617 Filbert St., Phila.

ROOFING.

Brinkman Bros.2615 Frankford Ave., Phila.

Rulon, Ralph V.239 N. 30th St., Phila.

Warren-Ehret Co.253 S. 15th St., Phila.

ROOFING MATERIALS.

Warren-Ehret Co.253 S. 15th St., Phila.

ROOFING SLATE.

Chapman Slate Co.Bethlehem, Pa.

ROOFING TILE.

Ketcham, O. W.121 N. 18th St., Phila.

SAFETY GUARDS.

Potts, Horace T., & Co.Erie Ave and D St., Phila.

SAND AND GRAVEL.

The Van Sclver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING.

Patent Scaffolding Co.2335 Bridge St., Phila.

SCREENS.

Malia, Thomas.226 W. Mentor St., Phila.

SEWER PIPE.

Clausen, Wm. H.27th and Diamond Sts., Phila.

SHEET METAL AND ROOFING.

McFarland-Meade Co.,
70th and Kingsessing Ave., Phila.

Tinney, Walter H., Co.,
63rd and Woodland Ave., Phila.

SHEETROCK (Wall Board).

Pearce Fireproof Co.1911 N. 2nd St., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

SOUNDINGS.

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEAM SHOVEL CONTRACTORS.

McCarrick Bros.3138 N. 24th St., Phila.

Morrissey Bros.4345 N. 7th St., Phila.

STEAM SPECIALTIES.

Edwin Elliot & Co.1011 Chestnut St., Phila.

Sheffler-Gross Co.Drexel Bldg., Phila.

STEEL DOORS.

Bur-Vett Mfg. Co.929 Chestnut St., Phila.

STEEL SASH.

McFarland-Meade Co.,
70th and Kingsessing Ave., Phila.

STONE.

Changing an Attitude of Mind

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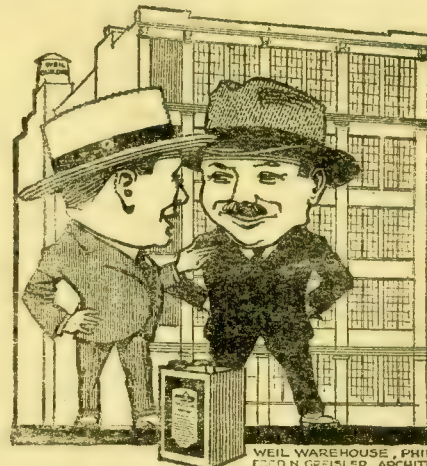
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Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XL, No. 13
April 1, 1925

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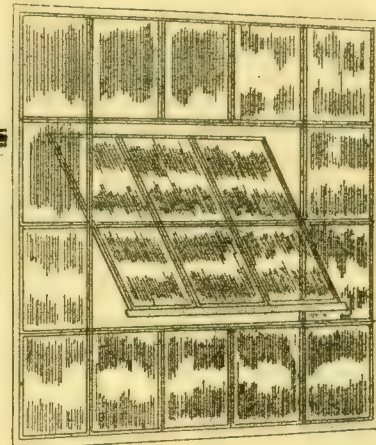
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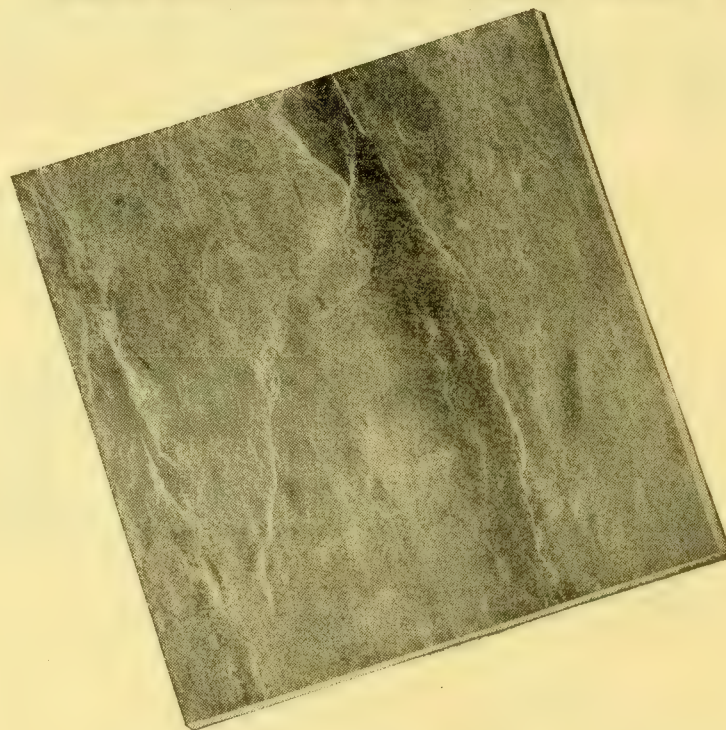
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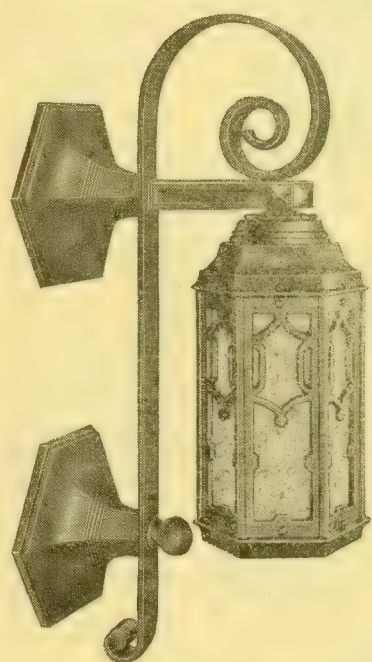
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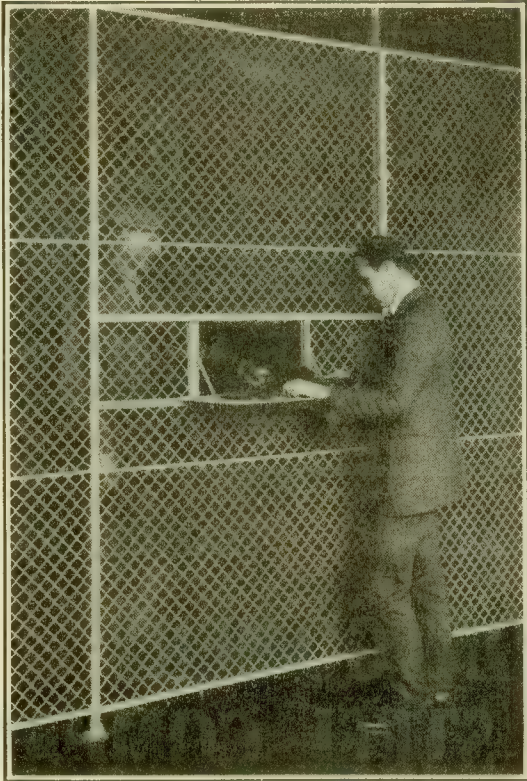
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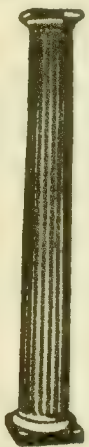
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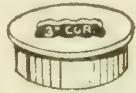
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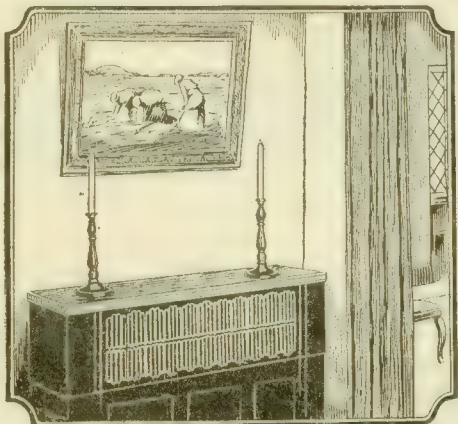
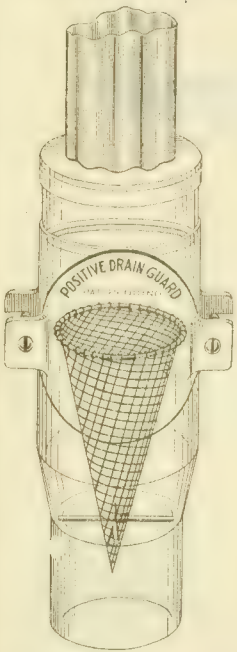
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XL
Number 13

PHILADELPHIA
April 1, 1925

BUILDERS' GUIDE

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BY

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CONTEMPLATED CONSTRUCTION: ARCHITECTS AND OWNERS: COST LIMIT: LAST DAYS FOR FILING BIDS:

CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED: ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residences, Northeast Corner Eighty-third and Lyons avenue, Philadelphia, \$4,500. Architect, private plans. Owner, Odel White, 8327 Lyons avenue, Philadelphia. Brick, 2 stories, 16x38 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Germantown High School (New Gym), Germantown and High streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, limestone, steel, 1 story, 164x50 feet (plumbing, heating, electric and ventilating separate), copper and composition, asbestos shingle roof, maple and cement floors, hollow tile, dampproofing, ornamental iron work, floor hardener, bond, hollow metal doors, rolled steel sash, rolling steel skylights, metal lath, granite. Owners taking bids due April 9th.

Residence (alts. and add.), 4911 Catherine street, Philadelphia. Architect, J. W. Thompson, 703 South Sixtieth street, Philadelphia. Owner, Dr. William L. Sacrey, on premises. Concrete work, brick work, steel work, sheet metal work, slag roof, carpentry work, plastering, mill work, painting and glazing, hardware (plumbing, heating, electric reserved). Architect taking bids.

Apartment House (alts. and add.), 910 South Forty-ninth street, Philadelphia. Architect, J. W. Thompson, 34 South Seventeenth street, Philadelphia. Owner, name withheld. General alterations into an apartment, hot water heat, electric light, hardwood floors. Plans in progress.

Grain Elevator, Twentieth and Pennsylvania avenue, Philadelphia. Owners, Philadelphia and Reading R. R., Twelfth and Market streets, Philadelphia. Reinforced concrete and

steel. Owners taking bids on revised plans due April 7th.

Grain Elevator, Port Richmond, Philadelphia. Engineers, Fegles Const. Co., Minneapolis, Minn. Owners, Philadelphia and Reading Rwy. Co., Twelfth and Market streets, Philadelphia. Reinforced concrete, steel, capacity 2,500,000 bushels. Owners taking bids due April 8th.

Residences (18), Knox, Logan and Loudon streets, Philadelphia, \$117,300. Architect, private plans. Owner, John Dunne, 60 West Rockland street, Philadelphia. Brick, 2 stories, 15x42 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (14), Ditman and Granite streets and Pratt and Glenlock streets, \$76,200. Architect, private plans. Owner, John J. McHugh, 1617 Race street, Philadelphia. Brick, 2 stories, 17x32 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (20), Hartel and Burholme streets and Chandler and Hanbrook streets, Philadelphia, \$5,000 each. Owner, Gus Weber, 401 Chandler street, Philadelphia. Brick and frame, 2 stories, 22x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (21), Residences and Stores (4), Chew, Mascher, Howard and Hope streets, Philadelphia, \$147,000. Owner, Herman Rottmann, 516 Wyoming avenue, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (4), Residence and Store (1), 629-35 North Sixty-seventh street, \$23,500. Architect, private plans. Owners, Defalh & Lodge, 1148 North Sixty-fourth street, Philadelphia.

Brick, 2 stories, 18x30 feet and 18x32 feet, slag roof, hardwood and pine floors, electric lighting. Owners will build.

Building (alts., new front), Northwest Corner Fifteenth and Chestnut streets, Philadelphia. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Southwark National Bank, 610 South Second street, Philadelphia. New front and interior alts. Plans about completed, ready for bids in a few days.

Store and Office Building, Northeast Corner Thirteenth and Chestnut streets, Philadelphia. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Mastbaum Brothers & Fleisher, 1424 South Penn Square, Philadelphia. Stone, brick, steel, concrete, 8 stories. Plans in progress.

Branch Bank, Southwest Corner Broad and Allegheny avenue, Philadelphia. Owners, Kensington Trust Co., Kensington and Allegheny avenue. Size of lot 38x93 feet. Work contemplated. Plans not yet started.

Community Building, Eighth and Wolf streets, Philadelphia. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owners, Federation of Jewish Charities, Morris Kind, 1600 Walnut street, Philadelphia. Brick, 3 stories and basement, 120x112 feet. Preliminary plans in progress. Details undecided.

Store Building (alts. and add.), 1208 Arch street, Philadelphia. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owner, H. D. Reese, 1203 Filbert street, Philadelphia. Brick, 3 stories, miscellaneous interior alterations, refrigerations, electric light, tile and marble work, tile floors, elevators. Plans in progress.

Store and Apartment, 4012 North Thirteenth street, Philadelphia. Architect, pri-

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vate plans. Owner, Harry Rokey, 4012 York road, Philadelphia. Brick, 2 stories, 40x25 feet, hot water heat, electric light, slag roof, oak and pine floors. Owner will build and is taking sub-bids.

Garage Building, Broad and Pine streets, Philadelphia. Architect, Abraham Levy, Real Estate Trust Building, Philadelphia. Owner, Bernard Cohen, 225 South Broad street, Philadelphia. Brick, steel, concrete, 3 stories and basement, 68x151 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash, ramps. Owner will take sub-bids.

Apartment Houses (5), 425-33 Sedgwick avenue, Philadelphia, \$30,000 each. Architect, Louis J. Tunis, 1423 Locust street, Philadelphia. Owners, Weiss Koplin Co., Bankers' Trust Building, Philadelphia. Brick, 2 stories, 38x66 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Owners will build.

Garages (2), 6306-08 Wissahickon avenue, Philadelphia. Architect, A. H. Savery, 1309 Locust street, Philadelphia. Owners, Sam Lashor and G. F. Mollenkoff, on premises. Brick, stone, rough cast, 1 story, 18x22 feet, slate and tin roof, cement floors, electric light. Owner ready for bids.

Residences (28), Fifty-first and Woodbine avenue, Philadelphia. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owners, Homes Beautiful, care of L. H. Cahan, 1324 Walnut street, Philadelphia. Stone, hollow tile, stucco, 2½ stories, 30x35 feet, hot water heat, tile work, tile and slag roof, hardwood floors, tile work. Barnett Co., 1324 Walnut street, Philadelphia, taking sub-bids.

Store Building (alts. and add.), 110 South Fifty-second street, Philadelphia. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, Charles Reiher, 5225 Walnut street, Philadelphia. Brick, 2 stories, 20x70 feet, rear add., 2 stories, 20x20 feet, electric light, tile and marble work, metal bulks, plate glass, elevators. Ready for bids in a few days.

Residences (6), Sixty-sixth and Chester avenue, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, I. K. Hall and S. D. Seltzer, 1400 Franklin Trust Building, Philadelphia. Brick, 2 stories, 16x40 feet, slag and slate roof, hardwood floors, hot water heat, electric light, tile work. Owners taking sub-bids.

Office Building and Stores, 1309-11 Walnut street, Philadelphia, \$800,000. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owners, Heymann & Brothers, agents, 215 South Broad street, Philadelphia. Brick, limestone, granite, steel, 15 stories and basement, 230x51 feet, steam heat, electric light, metal lath, tile, marble and terrazzo work, rolled steel and hollow metal sash, rolled steel skylights, kalamein and hollow metal doors, ornamental iron work, wrought

iron pipe, sprinklers, oil burning equipment, slag roof, cement floors, hollow tile, elevators, metal weather strips, waterproofing and dampproofing. Permit issued to LeRoy B. Rothschild, 215 South Broad street, Philadelphia.

Contract No. 110 Subway (4-track), Filbert to Stiles street, Philadelphia. Architect, private plans. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Water mains underpinning, repaving, shoring, 7,184 feet bulking, heading (permanent repaving reserved). Low bidders: Combined bid of Fred L. Crawford, Inc.; C. A. Locker; Winston & Co., Inc., 342 Madison avenue, New York City, \$16,749,936. Keystone State Const. Co., 210 South Thirteenth street, Philadelphia, \$863,436.76.

Brick Auxiliary Boiler House, Twenty-first and Oregon avenue, Philadelphia. Owners, War Department, Quartermaster, Interior Department, on premises. Construction complete, approximately 40x32x16 feet high, with 40x12 feet pump room, 32x12 coal room adds., steel stack. Low bidders: Starr & Wilcox, Atlantic Building, Philadelphia, \$14,203.56. Concrete Oil Tank Co., Boston, Mass., \$15,975.

Fire Headquarters, 1328 Race street, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Safety, Bureau of Fire, 215 City Hall. Brick, stone, reinforced concrete, steel, 3 stories and basement, 129x107 feet, Mansville built-up roof, tile roof, cement and oak floors, metal lath, tile and marble work, hollow metal sash, fire and hollow metal doors, bond, ornamental iron work, waterproofing and dampproofing, steel lockers, imitation travertine. Low bidders: Kober Const. Co., 34 South Seventeenth street, \$265,777. Murphy-Quigley Co., 1524 Sansom street, Philadelphia, \$275,900. Plumbing, Bulman Brothers, Fifth and Cumberland streets, \$18,166. Heating, Bulman Brothers, Fifth and Cumberland streets, \$16,333. Electric, J. F. Buchanan Co., 1904 Sansom street, Philadelphia, \$15,987. Sprinkler, Central Auto. Sprinkler Co., 5000 Parkside avenue, Philadelphia, \$2,000.

Stores and Apartments, Northeast Corner Jessup and Huntingdon streets, Philadelphia. Architect, William L. Charr, 414-16 Victory Building, Philadelphia. Owner, name withheld. Steel, brick, 3 stories, 16x55 feet, slag roof, pine and maple floors, hot water heat, electric light, tile and marble work, metal lath, hollow metal skylights, store fixtures, bond, metal bulks, ornamental iron work. Plans in progress.

Residences (38), Torresdale, Pa. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, name withheld. Brick, 2 stories, 15x38 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

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delphia. Architects, A. H. Hall and M. H. Gravel, Otis Building, Philadelphia. Owners, Philadelphia Real Estate Board, on premises. Brick, granite, limestone, 3 stories and basement, 44x54 feet, slag roof, oak and maple floors, steam heat, electric light, tile and marble work, ornamental iron work, plate glass. Architects taking bids due April 3rd.

Hotel, Philadelphia (exact location withheld). Architect, B. Shulman, 1722 Arch street, Philadelphia. Owner, name withheld. Stone, brick, steel, concrete, 8 stories, 900 to 1000 rooms, similar to Mills Hotel, New York City. Preliminary plans in progress.

Sunday School Building, Washington lane, Philadelphia. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Germantown Cliveden, care of H. P. Meleher, 227 East Meehan street. Stone, 1 and 2 stories, 36x80 feet, slate roof. Plans in progress.

Swimming Pool, East Falls of Schuylkill, Philadelphia. Architects, A. J. Sauer Co., Denckla Building, Philadelphia. Owners, Department of City Property, Bureau of Recreation, 595 City Hall. Concrete. Plans in progress.

Apartment House and Stores, Twentieth and Mt. Vernon streets, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owner, care of architect. Steel, stone, brick, 3 stories, 20x108 feet, slag roof, hardwood, maple floors, hot water heat, electric light, metal lath, tile and marble work, hollow metal skylights, store fixtures, bond, metal bulks, iron stairs, ornamental iron work metal ceilings. Plans in progress.

Theatre (alts.), 608 South street, Philadelphia. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owners, Franklin Theatre, on premises. New front, terra cotta and marble work. Plans in progress.

Residence, Mt. Airy, Pa., \$60,000. Architect, Addison H. Savery, 1309 Locust street, Philadelphia. Owner, Phil J. Baur, 425 West Johnson street, Germantown, Philadelphia. Stone, 2½ stories, hot water heat, electric light, tile and marble work, slate roof, hardwood floors. Plans in progress.

Office Building, Sydenham and Walnut streets, Philadelphia. Associate architects and engineers, Heacock & Hokanson, 1211 Chestnut street; The Ballinger Co., Twelfth and Chestnut street, Philadelphia. Owners, Mutual Trust Co., Fourth and Market streets, Philadelphia. Stone, brick, steel, concrete, 18 stories. Preliminary plans in progress.

Swimming Pool, Twelfth and Susquehanna avenue, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, Department of City Property, Bureau of Recreation, 595 City Hall. Plans in progress.

Apartment House, Wayne and Tulpehocken streets, Philadelphia. Architect, Sol. Kaplan, 10 South Eighteenth street, Philadelphia. Owner, L. Benjamin Raidman, Fox Building, Philadelphia. Brick, stone, steel, 4 stories, 44x93 feet, tile roof, vapor heat, electric light, tile and marble work, hollow metal skylights, metal doors, tile roof, hardwood floors, elevator, kitchen equipment. Owner taking sub-bids due as soon as possible.

Alterations, 1329 Race street, Philadelphia. Architects, H. D. Dagit & Son, 34 South Seventeenth street, Philadelphia. Owners, Dagit Brothers, care of architect. Limestone, cement pavements, carpentry and mill work, metal lath, plastering, plumbing, painting. Architects will build and taking sub-bids due at once. Eugene Buckley, 1309 Race street, Philadelphia, will superintend construction.

Stores (2), Apartments (2), Store and Dwelling (2), Sixty-sixth and Malvern road, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, McWilliams & Maloney, 6308 Sherwood avenue, Philadelphia. Brick, 2 stories, (1) 30x40 feet, (2) 20x40 feet, slag and tile roof, hardwood floors, central steam heat, electric light, metal lath, tile and marble work, hollow metal skylights, metal bulks. Owners ready for sub-bids.

Factory Building, Third and Annsbury streets, Philadelphia. Architect, J. Frank Clark, 23 South Sixteenth street, Philadelphia. Owners, Columbia Steel Equipment Co., on premises. Concrete, steel, 1 story, 24x60 feet, brick, slow burning, second floor addition, 97 feet 6 inches x 69 feet, slag roof, plank and maple floors, concrete floors, electric light, steam heat, rolled steel sash, fire and steel rolling doors, structural steel. Architect ready for sub-bids.

Service Station, North side Ludlow, West of Sixtieth street, Philadelphia, \$50,000. Architect, J. Frank Clark, 23 South Sixteenth street, Philadelphia. Owner, A. E. Jawer, 4853 Parkside avenue, Philadelphia. Brick, steel, reinforced concrete, 2 stories, 92 feet 6 inches x 120 feet, rear 132 feet x irregular, gypsum roof, concrete floors, concrete ramps, plumbing, plate glass, steam heat, electric light, rolled steel sash, flush bulks. Owner will build.

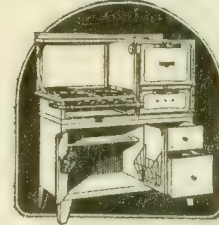
School Building, 612 South American street, Philadelphia. Architect, Benjamin Schulman, 1722 Arch street, Philadelphia. Owner, South Philadelphia Ukrainian League, care of architect. Brick, 3 stories, 28x40 feet, hot water heat, electric light, tin roof, maple floors. Architect ready for general bids.

Fire Headquarters, 1328 Race street, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Depart-

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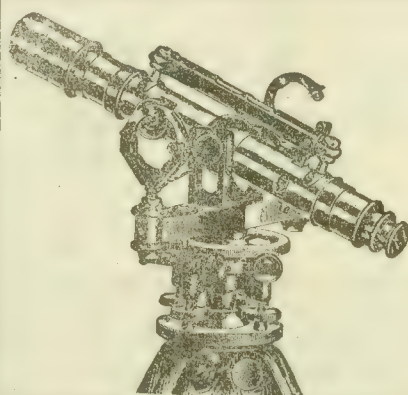
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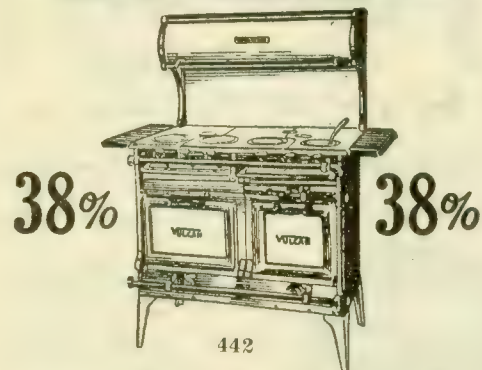
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ment of Public Safety, Bureau of Fire, 215 City Hall. New bids will be taken shortly.

Operation of Residences, Geneva near Rising Sun avenue, Philadelphia. Architect, private plans. Owners, F. W. Biddle Co., 5615 North Fifteenth street, Philadelphia. Brick, 2 stories, 15x38 feet, slag roof, hardwood floors, hot water heat, electric light, tile work, enclosed porches. Owners taking sub-bids.

Residences (21), Shelden, between Wister and Collen, Germantown. Architect, private plans. Owners, Carson Brothers, 5601 Germantown avenue, Philadelphia. Brick, 2 stories, 16x32 feet, slag roof, oak and pine floors, hot water heat, electric light, tile work, ornamental iron work. Owners will build, work about to start.

Apartment House, Forty-third and Wynnefield avenue, Philadelphia. Architects, G. Harold Murphy and C. M. Talley, Drexel Building, Philadelphia. Owner, Dr. S. Louis Baron, on premises. Brick, 4 stories, 52x90 feet, electric light, tile work. Superintendent on job, Joseph O'Neill, 932 Fisher's avenue, Philadelphia. Owner also taking sub-bids.

Store and Office Building, Southeast Corner Broad and Allegheny avenue. Engineers, W. P. Cameron Eng. Co., Witherspoon Building, Philadelphia. Owners, Provident Mortgage Corp., Packard Building, Philadelphia. Steel, brick, 3 stories, 40x70 feet, slag roof, electric light, steam heat. Engineers will build.

Residences (26), 401-453 Wellsley road, Germantown, Pa. Architect, Frank Nickels, 15 South Twenty-first street, Philadelphia. Owner, Alfred R. Smith, Greene and Cheltenham avenue, Philadelphia. Brick, 2 stories and basement, 16x35 feet, slate roof, hardwood floors, cement work, hot water heat, electric light, metal lath, tile work, garages in basement. Owner will build and is taking sub-bids.

Manufacturing Plant, including Offices, Warehouse, Boiler Room, Machine Shop, Tioga street and Richmond to Salmon street, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, D. Weber Co., Fifth and Locust streets, Philadelphia. Brick, terra cotta trim, 1 story, area 101,365 square feet, slag roof, cement floors, steam heat, electric light, radical brick chimney, diameter 42 feet, height 125 feet, rolled steel sash, saw-tooth skylights. Architects taking bids due at owners' office April 7th before 11.30 A. M.

Residence and Garage, Chestnut Hill, Pa. Architect, William W. Price, 119 South Fourth street, Philadelphia. Owner, Chauncey Paxon, 627 West Sedgwick street, Philadelphia. Hollow tile and stucco, 2½ stories, 30x50 feet, slag roof, hardwood and cement floors, hot water heat, electric light, tile work, metal lath. Owner taking bids due as soon as possible.

Building, 1310 West Cumberland street, Philadelphia. Architects, Weber & Wurster, 1530 Locust street, Philadelphia. Owner, Charles Wacker, 1345 West Cumberland street, Philadelphia. Brick, concrete, steel, 1 story, 78x19 feet, slag roof, cement floors, plumbing, terra cotta coping, galvanized iron skylights, steam heat, electric light, wrought iron pipe. Architects taking bids due April 8th.

Mill (add.), Delaware avenue and Tasker street, Philadelphia. Architect, private plans. Owners, Phil-Fibre Box Board Mills, Inc., Delaware and Tasker. Brick, steel, 1 story, 50x60 feet, gypsum slag roof, cement floors, steam heat, electric light, rolled steel sash, ornamental iron work. Owners taking bids due April 3rd.

Automobile Show Room, Greene and Rittenhouse streets, Germantown. Architect, Charles J. Cumminsky, 86 West Sharpnack street, Philadelphia. Owner, Harvey Sees, Esq., care of architect. Brick, concrete, cut stone, steel, 1 story, 106x35 feet, slag roof, cement and pine floors, plate glass, plumbing, painting and glazing, shoring, terra cotta coping, ornamental iron work, rolled steel skylights, precast concrete stone, metal corner beads, granolithic finish, Byers or Reading galvanized iron pipe. Architect taking bids due April 2nd.

Residence and Garage, Seventh and Sixty-fourth avenue, Oak Lane, Philadelphia. Architect, Edward Schoeppe, 315 South Fifteenth street, Philadelphia. Owner, E. I. Shuttleworth, 3054 Kensington avenue, Philadelphia. Stone, 2½ stories, 45x28 feet, 1½ stories, 21x21 feet, variegated slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Architect taking bids due April 3rd.

Colonial Residence, Oak Lane, Pa. Architect, Arthur V. Turner, Oak Lane Park, Pa. Owner, Maurice Crown, 1506 Callowhill street, Philadelphia. Stone, stucco, 2½ stories, 37x24 feet, black slate roof, oak and pine floors, plumbing, hot water heat, electric light, tile and marble work, ornamental iron work, ceramic tile floors, wrought iron pipe. Owner taking bids due as soon as possible.

Residence (alts. and add.), Fifty-eighth and Elmwood avenue, Philadelphia. Architect, private plans. Owner, J. H. Longnecker, on premises. Concrete work, copper roof, plastering, hardware, painting and glazing, iron work, brick work. Owner taking bids due as soon as possible.

Fireproof Vaults, Twelfth and Thompson streets, Philadelphia. Engineer, Charles A. Blatchley, Drexel Building, Philadelphia. Owners, Schutte & Koerting Co., on premises. Steel and iron work, reinforced concrete work, tin lined fire doors, painting. Engineer taking bids due as soon as possible.

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Cafeteria (Building No. 48), Twenty-first and Oregon avenue, Philadelphia. Owners, United States Government, Philadelphia Q. M. Dept., Twenty-first and Oregon avenue, Philadelphia. Owners ready for bids on stucco work due April 3rd, 11 A. M.

Church, Price and Arleigh streets, Germantown, Philadelphia. Architect, Paul Monaghan, 1713 Sansom street, Philadelphia. Owners, Immaculate Conception Parish, Rev. M. J. Higgins, on premises. Stone, 1½ stories. Architect taking bids due April 13th.

Sewers, Philadelphia. Owners, Department of Public Works, Bureau of Engr., 216 City Hall. Branch and main sewers. Inquire Room 416. Owners taking bids April 6th.

Frankford High School (new balcony), Various Schools. Architect, private plans. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Electric, secondary clock, motion picture machines, mill work, hardware, heater drums, etc. Owners taking bids due April 9th, at noon.

Residences (28), D, Rockland and Ruscomb streets, Philadelphia, \$138,400. Architect, private plans. Owner, William J. Collins, 5445 Berks street, Philadelphia. Brick, 2 stories, (2) 16x37 feet, (26) 15x26 feet, 12x10 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (26), Nineteenth and Champlott avenue, Philadelphia, \$158,000. Architect, private plans. Owner, George Haibach, 1261 North Twenty-sixth street, Philadelphia. Brick, 2 stories, (2) 16x46 feet, (24) 16x30 feet, 12x15 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Residences (17), Passmore, Montour and Levick streets, Philadelphia, \$100,700. Architect, private plans. Owner, Hans Lundin, 1044 Fanshawe street, Philadelphia. Brick, 2 stories, (14) 16x45 feet, (3) 15x44 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residence, Southwest Corner Henny and Midvale avenue, Philadelphia, \$16,000. Architect, private plans. Owner, John H. McClatchey, 848 Land Title Building, Philadelphia. Stone, 3 stories, 21 feet 8 inches x 35 feet 8 inches, slate roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (31), Sixty-seventh and Belmar streets, Philadelphia, \$172,000. Architect, private plans. Owners, Local Building Co., Harrison Building, Philadelphia. Brick, 2 stories, 18x32 feet and 23x34 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residences (5), Glenlock and Magee streets, and Tulip and Unruh streets, Philadelphia, \$4,000 each. Owner, Louis Laib, 6638 Torresdale avenue, Philadelphia. Brick,

2 stories, 16x38 feet, slag roof, electric lighting, pine floors. Owner will build.

Residences (5), **Residences and Stores (2)**, Sheldon and C streets, and Rising Sun avenue, Philadelphia, \$413,000. Architect, private plans. Owners, Litman Brothers, 2438 South Fourth street, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residences (24), South side East Rittenhouse street, Boyer to Sprague. Architect, private plans. Owner, James N. Mitchell, **Forty-sixth** and Market streets, Philadelphia. Brick, 2 stories, 18x44 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Residences (114), Linton and Mascher, Second and Edna streets, and Edna and Mascher streets, Philadelphia, \$401,400. Owner, Charles G. Erny, Southeast Corner Broad and Rockland streets, Philadelphia. Brick, 2 stories, various size, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (30), Fifty-third and Lebanon avenue, Philadelphia, \$282,000. Architect, Karl F. Otto, 1828 Arch street, Philadelphia. Owners, Kenin & Shapiro, 5850 Market street, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residences and Garages (69), Stockton, Price and Haines streets and Ardleigh street, Philadelphia, \$461,800. Architect, Karl F. Otto, 1828 Arch street, Philadelphia. Owners, Kenin & Shapiro, 5850 Market street, Philadelphia. Brick, 2 and 3 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residences (14), South side Sanger street, East of Horrocks, 113,000. Architect, Karl F. Otto, 1828 Arch street, Philadelphia. Owners, W. M. France Sons, 1529 Foulkrod street, Philadelphia. Brick, 2 stories, 15x42 feet and 16x42 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (33), Elwood street and Sheldon avenue, Philadelphia, \$194,400. Architect, private plans. Owner, David Sokolow, 3130 Clifford street, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (21), East side Ogontz avenue, North of Chew street, \$159,000. Architect, private plans. Owner, Joseph Nissman, Ogontz avenue and Chew street, Philadelphia. Brick, 2 stories, 18 feet 6 inches x 47 feet, slag roof, hardwood and pine floors, electric light. Owner will build.

Residences (4), 2630-32-34-36 Edgemont street, Philadelphia, \$16,200. Architect, pri-

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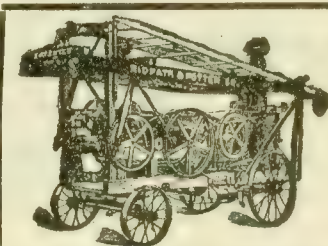
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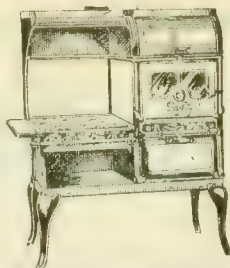
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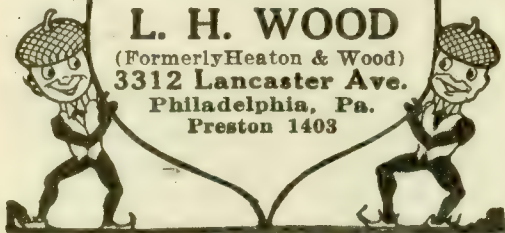
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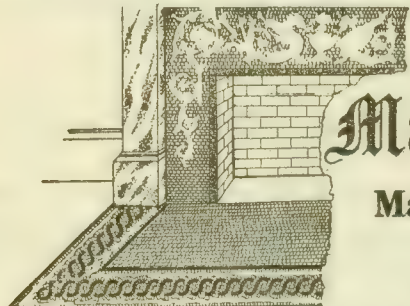
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vate plans. Owners, Stowick & Krulioski, 3035 Edgemont street, Philadelphia. Brick, 2 stories, 14x33 feet, slag roof, hot water heat, electric light. Owners will build.

Residence, East side Watson street, North of Oxford Pike, \$6,000. Architect, private



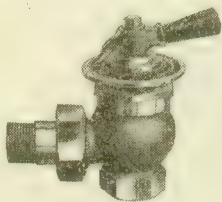
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plans. Owner, Edward Davis, 7301 Oxford Pike, Philadelphia. Frame, 2 stories, 26x38 feet, shingle roof, hardwood and pine floors. Owner will build.

Residences and Garages (8), Mt. Airy avenue, West of Lincoln Drive, \$13,000 each. Architect, private plans. Owners, Hankin & Magen, Mt. Airy avenue and Jefferson street. Brick, 2 stories, 16x48 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Residences (2), Grant avenue, East of Wisconsin street, \$9,000 each. Owner, W. K. De Victor, 818 Real Estate Trust Building, Philadelphia. Frame, 3 stories, 29x28 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Garage, South side Granite street, West of Edmund street, Philadelphia, \$6,000. Architect, private plans. Owner, Frank S. Dykes, 4725 Rising Sun avenue, Philadelphia. Brick, 1 story, 90x32 feet, slag roof, cement floors, electric lighting. Owner will build.

Residences (14), West side Dover street, North of Allegheny avenue, \$4,000 each. Architect, private plans. Owners, H. and B. Friedman, 4831 North Twelfth street, Philadelphia. Brick, 2 stories, 15x33 feet, 12x10 feet, slag roof, hot water heat, electric light. Owners will build.

Residences (6), East side Eighty-third street, North of Bartram avenue, \$3,800 each. Architect, private plans. Owner, Walter Warner, 7510 Chelwynde avenue, Philadelphia. Brick, 2 stories, 14x33 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residences and Garages (36), Penn and Vaux streets, Philadelphia, \$270,000. Architect, private plans. Owner, M. J. McCrudden, 1134 Real Estate Trust Building, Philadelphia. Stone, brick, 2 stories, 16x18 feet, 20x14 feet, garages, concrete block, 1 story, 9x19 feet, hardwood, pine and cement floors, hot water heat, electric light, tile work. Owner will build.

Residences, Northeast Corner Pembroke avenue and Sunset avenue, \$10,000. Architect, private plans. Owner, L. Davis, Palmyra, N. J. Stone and frame, 2 stories, 26x33 feet 6 inches, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Warehouse, North side Cambria street, West of Belgrade street, \$9,500. Architect, private plans. Owner, James Trimble, 2556 East Somerset street, Philadelphia. Brick, 1 story, 72x200 feet, slag roof, electric lighting. Owner will build.

Shop (add.), Southwest Corner Second and Bristol streets, Philadelphia, \$8,000. Architect, private plans. Owners, M. Morster & Co., on premises. Brick, steel, 1 story add., 120x172x10 feet, slag roof, electric work. Owners will build.

Residences and Stores (3), Millick and Theodore streets and Sixty-first and Theodore streets, Philadelphia, \$5,000 each. Owner, Harry Harad, 4942 C street, Philadelphia.

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Brick, 2 stories, 16x38 feet, slag roof, hardwood and pine floors, electric light. Owner will build.

Residence, 2332 Margaretta street, Philadelphia, \$4,000. Architect, private plans. Owner, Joseph Kowalski, 2334 Margaretta street, Philadelphia. Brick, 2 stories, 166x41 feet, slag roof, hot water heat, electric light, pine floors. Owner will build.

Garages (2), West side Tackawanna street, North of Womrath street, \$3,500. Architect, private plans. Owner, D. J. Potter, 6932 Ditman street, Philadelphia. Brick, 1 story, 16x82 feet, slag roof, cement floors, electric light. Owner will build.

Residences (14), South side Chester avenue, East of Sixty-ninth street, \$7,000 each. Architect, private plans. Owners, Flynn & Mack, 6415 Windsor street, Philadelphia. Brick, 2 stories, 15x32 feet, 11x12 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residences (14), South side Queen street, West of Rubican street, \$4,500 each. Architect, private plans. Owners, W. C. Wetherstine, 124 East Upsal street, Philadelphia. Brick, 2 stories, 16x32 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (14), West side Walker street, North of Tyson street, \$4,200 each. Architect, private plans. Owner, Walter G. Costello, 7004 Hegerman street, Philadelphia. Brick, 2 stories, 16x38 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residence, South side Brewster avenue, East of Eighty-fifth street, \$4,000. Architect, private plans. Owner, Daniel J. Dougherty, Eighty-ninth and Lissar avenue, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hardwood and pine floors, hot air heat, electric light. Owner will build.

Garage, East side Pallas street, North of Fairmount avenue, \$4,000. Architect, private plans. Owner, John Turnbo, 442 North Fiftieth street, Philadelphia. Brick, 1 story, 18x60 feet, slag roof, cement floors, electric light. Owner will build.

Residences (26), 401-51 Wellsley road, Philadelphia, \$3,900. Architect, private plans. Owner, Alfred R. Smith, Green street and Cheltenham avenue, Philadelphia. Brick, 2 stories, 16x32 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residences (2), South side Holstein avenue, East of Seventy-ninth street, \$3,500 each. Owner, Fred Paulson, 7500 Island road, Philadelphia. Brick, 2 stories, 16x26 feet, 10x9 feet, slag roof, hot water heat, electric light. Owner will build.

Residence, North side Ashwood street, West of Eighty-ninth street, Philadelphia, \$3,200. Architect, private plans. Owner, Francis J. Marker, 2414 South Bancroft street, Philadelphia. Brick, 1 story, 18x45 feet, slag roof, pine floors, electric lighting. Owner will build.

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Residence, West side State Road, North of Linden avenue, \$2,500. Architect, private plans. Owner, John Doneker, North side Lin-

den avenue, West of Germania street. Frame, 1 story, 24x32 feet, shingle roof, pine floors, electric lighting. Owner will build.

bulks, hollow metal sash, electric light. Contract awarded Paul Brosz, 2511 West Huntingdon street, Philadelphia.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Storage (add.), 2637-41 West Hagert street, Philadelphia, \$4,500. Architect, private plans. Owners, Edward Greene Co., 2637 Hagert street, Philadelphia. Brick, 1 story add., 40x60 feet, 20x22 feet, slag roof. Contract awarded to Fred A. Schumacher Co., 2829 West Harold street, Philadelphia.

Warehouse, Northwest Corner Mascher and Clearfield streets, \$4,000. Architect, private plans. Owners, The Dallett Co., 165 West Clearfield street, Philadelphia. Iron, 1 story, 32x80 feet, slag roof, pine floors. Contract for steel work awarded to Truseon Steel Co., 1505 Race street, Philadelphia.

Residence (add.), 5835 Wissahickon avenue, Philadelphia, \$2,600. Architect, private plans. Owner, William I. Ray, 5204 Morris street, Philadelphia. Brick, 1 story add., 16x15 feet, electric work, pine floors. Contract awarded to Joseph Vassolla, 203 Clapier street, Philadelphia.

Warehouse, 6044 Hazel avenue, Philadelphia. Architect, J. W. Thompson, 703 South Sixtieth street, Philadelphia. Owner, Paul Becker, 5700 Cedar avenue, Philadelphia. Brick, reinforced concrete, steel, 2 stories and basement, 60x112 feet, steam heat, electric light, slag roof, concrete and plank floors, elevators, rolled steel sash, hollow metal skylights, fire doors. Contract awarded Clark Brothers, 1504 South Twenty-eight street, Philadelphia, who are taking sub-bids.

Residence, South side Dearnley St., East of Manti street, Philadelphia, \$5,300. Architect, private plans. Owner, August Behl, 4326 Mitchell street, Philadelphia. Frame and stucco, 2 stories, 24x30 feet, hardwood and pine floors, electric lighting, tile work. Contract awarded to Rosenberger Bell, 4008 Fairhill street.

Residence, West side Algon avenue, South of Cottman street, \$5,200. Architect, private plans. Owner, Con. Klein, 3303 Gransback street, Philadelphia. Frame, 2 stories, 26x32 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Leonard Mallard, 3308 E street, Philadelphia.

Apartment House, McCallum and Hortter streets, Philadelphia, \$1,200,000. Architects, McLanahan & Bencker, Bellvue Court Building, Philadelphia. Owner, Joseph Bernhard, Northeast Corner Thirteenth and Walnut streets, Philadelphia. Brick, stone, cut stone, steel, limestone, 9 stories and basement, 72x28 feet, 72x28 feet, 24x60 feet, slag roof, cement and oak floors, hollow tile, elevator, roof ventilators, metal weather strips, dampproofing, terra cotta, ornamental iron work, bond, hollow metal doors, copper skylights, rolled steel sash, tile, marble and terrazzo work, metal lath (electric, pumping reserved), incinerators, caulking, sound deadening, letter boxes, metal toilet partitions. Contract awarded Wark Co., 1600 Walnut street, Philadelphia.

Bank Building, Fox Chase, Pa. Architect, Christian H. Freis, Rockledge, Pa., and Drexel Building, Philadelphia. Owners, Fox Chase Bank, Fox Chase, Pa. Brick, limestone, 1 story and basement, stone, cut stone, steel, 85x42 feet, slag and composition roof, cement, composition and maple floors, hollow tile, or-

namental iron work, iron stairs, tin clad and kalamein doors, galvanized iron skylights, rolled steel sash, tile work, metal lath, plumbing, heating, electric elevators, elevator doors, precast stone, metal toilet partitions, bronze work. Contract awarded Evans Steele, 2217 Chestnut street, Philadelphia.

Office Building, Nineteenth and Arch streets, Philadelphia, \$1,500,000. Architect, Eugene A. Stopper, 10 South Eighteenth street, Philadelphia. Owner, J. C. Kahn, Morris Building, Philadelphia. Reinforced concrete, brick, cut stone, steel, 16 stories and basement, slag roof, 141x119 feet (elevators, electric, plumbing, heating, pumps reserved), cement floors, hollow tile, safety treads, shoring, ornamental terra cotta, ornamental iron work, floor hardener, bond, copper skylights, hollow metal sash, tile, marble and terrazzo work, mail chutes, limestone. Contract awarded Wark Co., 1600 Walnut street, Philadelphia.

Storage House and Still Building, Delaware avenue and Bigler street, Philadelphia. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owners, Publicker Commercial Alcohol Co., on premises. Brick, steel, concrete, 5 stories and 1 story, 74x72 feet, 34x23 feet (piles and electric work reserved), slag roof, cement floors, rolling steel sash, galvanized iron skylights, fire doors, bond, ornamental iron work, slag roof, cement floors. Contract awarded George Kessler Cont. Co., 1733 North Marvine street.

Store Building, 110-12 North Fifth street, Philadelphia. Architect, Carl P. Berger, 1512 Walnut street, Philadelphia. Owner, Mr. August Bein, care of architect. Brick, cut stone, 2 stories and basement, 50x30 feet, slag roof, composition and pine floors, plumbing, metal ceilings, ornamental iron work, metal

bulks, hollow metal sash, electric light. Contract awarded Paul Brosz, 2511 West Huntingdon street, Philadelphia.

Store Building (alts. and add. to Bank), Northeast Corner Seventeenth and Walnut streets. Architect, H. Trumbauer, Land Title Building, Philadelphia. Owner, Harry S. Nesirov, care of architect. Carpentry and mill work, plastering, brick work, cut stone, reinforced concrete, steel, iron work, revolving doors, ornamental bronze work, painting and glazing, rubber tile floors, linoleum floors, cement work, marble work, metal partitions, heating and plumbing alterations. Contract awarded H. H. Burrell, 206 South Quince street, Philadelphia.

Gulf Building (1st floor and basement) (alts. and add.), Northeast Corner Locust and Sydenham streets, Philadelphia. Architect, G. W. Pepper, Jr., Commonwealth Building, Philadelphia. Owners, W. H. Newbold & Sons Co., on premises. Brick, hollow tile, steam heat, electric light, tile and marble work, metal lath, bond, painting and glazing, cement floors, carpentry and mill work, hardware, plumbing, slate work. Contract awarded F. W. Van Loon, Perry Building, not signed.

Residences and Garages (2), Mower street, North of Allen Lane, \$13,500 each. Architect, H. L. Duhring, 1309 Locust street, Philadelphia. Owner, Robert J. Cantley, 4611 North Tenth street, Philadelphia. Stone, 3 stories, 23x39 feet, garages, 1 story, 12x20 feet, slate roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to James Riley & Son, Forest avenue, Mt. Airy, Pa.

Store Building (alts.), 7856 Oxford avenue, Philadelphia. Architect, Christian Freis, Drexel Building, Philadelphia. Owners, Fox Chase Bank, Fox Chase, Pa. Interior and exterior alts., hot water heat, electric light, stone and cement work, tin roof, maple floors, plastering, painting and glazing, plumbing, structural steel. Contract awarded Evans-Steele, 2217 Chestnut street, Philadelphia.

Garage, 1517-33 West Clearfield street, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, R. M. Lecomovitz, on premises. Brick, steel, 1 story, 188x67 feet, slag roof, cement floors, roof ventilators, galvanized iron skylights, artificial limestone. Contract awarded S. Shenkman, Atlantic City, N. J.

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Store Building (alts.), 4630 Frankford avenue, Philadelphia. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owner, T. E. Castor, on premises. Shoring, brick work, limestone, cement floors, carpentry, mill work, slag roof, sheet metal work, metal lath, plastering, composition floors, plate glass, hardware. Contract awarded Rush Brothers, 4682 Darrah street, Philadelphia.

Twin Residences (2), Single (2), Grant avenue and Frankford avenue, Torresdale, Pa. Architect, private plans. Owner, name withheld. Frame and stucco, stone, $2\frac{1}{2}$ stories, 18x30 feet, 32x23 feet, 40x25 feet, concrete tile, asbestos shingle roof, oak and pine floors, hot water heat, electric light, tile work, ornamental iron work, wrought iron pipe. Contract awarded Seely & Co., 1504 Locust street, Philadelphia, who are taking sub-bids.

Store and Apartment, Broad below Loudon street, Philadelphia. Architect, private plans. Owners, Sabolisky & McGuirk, on premises. Brick, steel, 2 stories and basement, 18x50 feet, hot water heat, electric light, tile work, metal lath, slag roof, oak and pine floors, ornamental iron work. Contract awarded Knox Landers, 1132 Vine street, Philadelphia.

Garage Buildnig, Dorrance and Fitzwater streets, Philadelphia. Architect, J. S. Fuller, 5438 Locust street, Philadelphia. Owner, A. Poall, 1818 Fitzwater street, Philadelphia. Brick, 2 stories, 70x110 feet, concrete structural steel, slag roof, cement floors, elevators, steam heat, electric lighting, rolled steel sash. Contract awarded A. P. Luckner, Thirty-fourth and Haverford, Philadelphia.

Reinforcement of Present 3-Story Building, (rear) Northwest Corner Fifth and Locust streets. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, David Weber Co., on premises. Structural steel, strengthening floors, concrete work, timber. Contract awarded Robbins Cont. Co., 1137 North Front street, Philadelphia.

Stadium, Broad street, South of Pattison street, Philadelphia, \$304,720.10. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Department of Public Works, C. P. Biles, 216 City Hall. Foundation construction, excavation, concrete piling, capping, bracing. Contract awarded McCloskey Co., 1620 Thompson street, Philadelphia.

Residences (84), Gillespie, St. Vincent and Princeton streets, \$312,800. Architect, private plans. Owners, Shisler & Allen, on premises. Brick, 2 stories, 16x36 feet, slag roof, hot water heat, electric light, pine floors. Contract awarded to Fishman & Fort, 216 Dun-cannon avenue, Philadelphia.

Manufacturing Building, West side Carswell street, North of Haines, \$18,500. Architect, private plans. Owners, J. Campbell Co., 270 South American street, Philadelphia. Brick, 1 story, 57x110 feet, slag roof, cement floors, steel sash. Contract awarded to George P. Clayton, 1817 North Twentieth street, Philadelphia.

Store and Residence (alts.), Southwest Corner Sixth and Girard avenue, \$4,000. Architect, private plans. Owner, M. Hawitz, on premises. General alterations. Contract awarded to Schechtman Brothers, 1924 North Marshall street.

Residence, East side Ardleigh street, North of Gowen avenue, \$13,475. Architect, private plans. Owner, Brian Hermes, 46 West Ashmead street, Philadelphia. Stone, 2 stories, 36x18 feet, 28x15 feet, 1 story, 14x13 feet, slate roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Hesswin Co., 2047 Arch street, Philadelphia.

Dye House (add.), 1345-49 Frankford avenue, Philadelphia, \$5,000. Architect, private plans. Owner, Eugene Bachman, 864 Howell street, Philadelphia. Brick, 2 stories add., 40x40 feet, slag roof, pine floors, electric

work. Contract awarded to George Bertram, 5911 Warnock street, Philadelphia.

Residence, South side Haines street, East of Boyer street, Philadelphia, \$14,000. Architect, private plans. Owner, Katharine Keller, 4157 North Broad street, Philadelphia. Brick, 2 stories, 30x45 feet, hardwood and pine floors, tile work, electric lighting, hot water heating. Contract awarded to Jacob Gaertner, 8315 Pine Road, Philadelphia.

Residence and Store, West side Bustleton avenue, South of Somerton avenue, \$9,000. Architect, private plans. Owner, Dr. Alice V. McKenzie, Somerton, Philadelphia. Frame and stucco, 2 stories, 24x50 feet, hardwood and pine floors, electric lighting, tile work. Contract awarded to A. J. Sickel, Trevoise, Pa.

Garage, rear Southeast Corner Fifty-sixth and Summer streets, Philadelphia, \$4,000. Owner, E. J. Love, 233 North Fifty-sixth street, Philadelphia. Brick, 1 story, (1) 32x16 feet, 24x15 feet, (1) 19x16 feet, 15x24 feet, slag roof, cement floors, electric light. Contract awarded to Kenneth Maxwell, 5058 Hooper street, Philadelphia.

Building (alts.), Southwest Corner Eleventh and Vine streets, Philadelphia, \$8,000. Owner, C. McDermott, Northeast Corner Nineteenth and Master streets, Philadelphia. General alterations. Contract awarded to Carr & Courtney, 3025 Poplar street, Philadelphia.

Shop (add.), 1523 Poplar street, Philadelphia, \$3,000. Architect, Sol. Kaplan, 10 South Eighteenth street, Philadelphia. Owner, George J. Kreis, on premises. Brick, 2 stories add., 28x17 feet, slag roof, pine floors. Contract awarded to Smith-Hardican Co., 1809 Callowhill street.

Residences and Stores (2) and Apartments (2) (alts.), 3908-10 North Fifth street, Philadelphia, \$5,000. Owner, J. H. Hincheliffe, 3624 North Broad street, Philadelphia. General alterations. Contract awarded to Harry Gill, Jr., 2515 Germantown avenue.

Residence (add.), 1508 Kater street, Philadelphia, \$3,500. Architect, private plans. Owner, Frederick Massiah, 1342 Cypress street, Philadelphia. Brick, 2 stories add., 18x30 feet, slag roof, pine floors. Contract awarded to A. Middleton, 618 North Forty-sixth street, Philadelphia.

Residences (2), West side Bingham street, South of Cottman street, \$3,800 each. Architect, private plans. Owner, William C. Riegel, 916 Walter street, Philadelphia. Brick, 2 stories, 16x49 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Riegel & Mueller, 901 St. Vincent street.

Store and Residence (alts. and add.), 214 South Fifty-sixth street, \$2,900. Architect, private plans. Owner, H. Aramain, 5717 Spruce street, Philadelphia. Brick, 2 stories add., 13x15 feet, general alterations. Contract awarded to J. H. Hutt, 5919 Spruce street, Philadelphia.

Store and Residence, Southwest Corner Almond and Auburn streets, \$10,250. Architect, private plans. Owner, M. Honoski, Cedar and Longshore streets, Philadelphia. Brick, 2 stories, 20x60 feet, slag roof, pine floors, electric work. Contract awarded to Star Building & Con. Co., 3013 Richmond street.

Store and Residence (alts.), Southwest Corner Parrish and Corinthian avenue, \$4,000. Architect, private plans. Owner, Joseph Paperman, 514 Green street, Philadelphia. General alterations. Contract awarded to Shechtman Brothers, 1924 North Marshall street.

Residences (10), 5526-44 North Fourth street, Philadelphia, \$52,000. Architect, private plans. Owner, John Kulin, 405 Taber road, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded

to Harold P. Mueller, 204 Oak Lane Trust Building.

Lumber Shed, Northeast Corner Nineteenth and Somerset streets, Philadelphia, \$20,000. Architect, private plans. Owner, George M. Spiegel, on premises. Corrugated iron, 1 story, 87x260 feet. Contract awarded to Louis Rosengarten, 4738 Market street.

Residence, North side Gorgas street, East of Stenton avenue, \$8,000. Architect, private plans. Owner, William Geiss, 4551 North Seventeenth street, Philadelphia. Brick, 2 stories, 32x36 feet, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Hause & Kniveton, 4537 North Eighteenth street, Philadelphia.

Residence, Hartel and Barnes streets, Philadelphia, \$8,000. Architect, private plans. Owner, Caroline Hoffmann, 4850 Lawrence street, Philadelphia. Frame, 2 stories, 26x28 feet, shingle roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to William F. Hoffmann, 4850 Lawrence street, Philadelphia.

Shop (add.), 714-16 North Percy street, Philadelphia, \$5,500. Architect, private plans. Owners, Kauffman Mfg. Co., on premises. Brick, 2 stories add., 36x64 feet, slag roof, cement and pine floors. Contract awarded to S. Yellin, 3125 Montgomery street, Philadelphia.

Residence, West side Lawndale avenue, North of St. Vincent street, \$5,000. Owner, M. C. Rudolph, 4407 North Orianna street, Philadelphia. Brick, 2 stories, 16x36 feet, slag roof, hardwood and pine floors. Contract awarded to F. Wiggs & Son, 340 Sentner street, Philadelphia.

Storage Building, 1239 North Front street, Philadelphia, \$4,500. Owner, E. M. Goldman, 1230 North Marshall street, Philadelphia. Brick, 2 stories, 20x100 feet, slag roof, electric work. Contract awarded to Schechtman Brothers, 1924 North Marshall street.

Garage, West side Mitchell street, North of Kingsley street, \$4,000. Architect, private plans. Owner, John Pearson, 481 Kingsley street, Philadelphia. Brick, 1 story, 68x32 feet, slag roof, cement floors. Contract awarded to J. G. T. Miller, 2325 West Allegheny avenue.

Store (alts.), 2724 North Fifth street, Philadelphia, \$2,000. Architect, private plans. Owner, S. Sigmund, 2805 North Fifth street, Philadelphia. General alterations. Contract awarded to Fred E. Schmidt & Son, 2721 North Fifth street.

Home (alts.), 6950 Germantown avenue, Philadelphia, \$2,000. Owners, Lutheran Home, on premises. General alterations. Contract awarded to W. J. Gruhler Co., 219 High street, Philadelphia.

Store and Residence (alts.), 1842 South street, Philadelphia, \$2,000. Architect, private plans. Owner, Max Liss, on premises. General alterations. Contract awarded to Charles Schachman, 2334 North Thirtieth street, Philadelphia.

Residence and Store (alts.), 2018 Norris street, Philadelphia, \$2,400. Architect, private plans. Owner, B. Goldman, 415 South Fifth street, Philadelphia. General alterations. Contract awarded to M. Fishman, 523 South Third street, Philadelphia.

Residence and Garage (alts. and add.), 603 Poplar street, \$3,000. Architect, private plans. Owner, L. Footes, on premises. Brick, 3 stories add., 4x12 feet, general alterations. Contract awarded to S. Malkin, 425 Poplar street, Philadelphia.

Residence (alts. and add.), 1926 Kater street, Philadelphia, \$3,000. Architect, private plans. Owner, Theodore Richardson, Northeast Corner Twentieth and Wharton streets. Brick, 2 stories add., 14x29 feet, general alterations. Contract awarded to Louis S. Richards, 2035 Webster street, Philadelphia.

Locker House, Northeast Corner City avenue and Overbrook avenue, \$2,950. Architect, private plans. Owners, Agnes Irwin School, 2009 Delancy street, Philadelphia. Concrete block, 1 story, 17 feet 10 inches x 41 feet 4 inches, cement floors. Contract awarded to J. Burton Grumbach, Glenolden, Pa.

Garages (2), South side Beaumont avenue, East of Fifty-eighth street, \$10,000 total. Architect, private plans. Owner, L. Karssin, on premises. Brick, 1 story, 32x18 feet and 95x61 feet, slag roof, cement floors. Contract awarded to A. Frank, 1522 South Sixth street, Philadelphia.

Church (alts.), Northeast Corner Broad and Catharine streets, \$2,000. Owner, D. Cardinal Dougherty, Eighteenth and Race streets, Philadelphia. General alterations. Contract awarded to Doyle & Co., 1519 Sansom street, Philadelphia.

Warehouse (alts.), 2116-18 Locust street, Philadelphia, \$2,000. Architect, private plans. Owner, George Klickner, 7060 Drexel Road, Philadelphia. General alterations. Contract awarded to A. P. Schade, 1312 North Fifty-ninth street, Philadelphia.

Residence (add.), 364 West Allen Lane, Philadelphia, \$3,200. Architect, private plans. Owner, M. Riter, on premises. Brick, 2 stories, 14x20 feet add., slag roof, pine floors. Contract awarded to Anastasi Brothers, 400 West Allen's Lane, Philadelphia.

Garage (alts.), 4604 North Fifth street, Philadelphia, \$3,000. Architect, private plans. Owner, Joseph L. Doan, on premises. General alterations. Contract awarded to William Easterbrook, 146 North Fourth street, Philadelphia.

Garages (2), 5112-14 Warnock street, Philadelphia, \$2,500 each. Architect, private plans. Owner, Joseph Goodman, Fifteenth and Fisher's avenue, Philadelphia. Brick, 1 story, 18x85 feet, slag roof, cement floors, electric work. Contract awarded to L. Lombardi, Webster and Wakefield streets.

Residence (alts. and add.), 809 East Cheltenham avenue, Philadelphia, \$2,500. Architect, private plans. Owner, D. DeMaria, on premises. Brick, 1 story add., 16x15 feet, general alterations. Contract awarded to Frank Radomski, 4329 North Sixteenth street, Philadelphia.

Building (add.), 2028 Girard avenue, Philadelphia, \$2,500. Owner, D. Cardinal Dougherty, 1713 Race street, Philadelphia. Mansard, third story add., 34x16 feet. Contract awarded to James McCann, 909 North Nineteenth street, Philadelphia.

Market House, 2317-23 North Front street, Philadelphia, \$65,000. Architect, private plans. Owner, Max Sussman, 40 South Delaware avenue, Philadelphia. Brick, 2 stories, 64x66 feet, slag roof, electric lighting. Contract awarded to J. M. Rosenberg, 6025 Irving street, Philadelphia.

Garage, 937-41 East Cheltenham avenue, Philadelphia, \$10,000. Architect, private plans. Owner, Louis Goldstein, 1415 Locust street, Philadelphia. Brick, 1 story, 50x38 feet, slag roof, cement floors, steam heat, electric light, steel sash. Contract awarded to S. Yellin & Son, 3125 Montgomery avenue.

Miscellaneous Work, Philadelphia. Contracts awarded. Owners, City of Philadelphia, Department of Public Works, City Hall. Grading—Aldine street, Curtis Brothers, State road, Philadelphia, \$35,438.34; B street, Morrissey Brothers, 4345 North Seventh street, Philadelphia, \$4,704.46; Ditman street, McNichol Paving Co., 1923 Cherry street, \$8,780.56; Dover street, Roy B. Wenner, 3106 Midvale avenue, \$1,052; Walnut lane, Dewees Brothers, 1974 Spencer street, \$2,129.75; Sixty-fifth street, Philadelphia, H. A. McLeeman & Brothers, care of owners, \$4,811.33. Repaving—Allegheny, Frankford to Aramingo, Eastern Paving Co., Colonial Trust Building,

\$64,662.30; Baltimore avenue, Union Paving, Thirtieth and Locust streets, \$52,969.29; Market street, Union Paving, Thirtieth and Locust streets, \$111,615.70; Tasker street, Union Paving Co., Thirtieth and Locust streets, \$22,301.73; Wood street, Barber Paving, Land Title Building, \$3,711.35; York street, Eastern Paving Co., Colonial Trust, \$25,986; Christian street, Municipal Paving Co., care of owner, \$39,368.40; Richmond street, Union Paving Co., Thirtieth and Locust streets, \$52,078.54; Station street, C. G. Centrone, 6339 Race street, \$1,792; Second, N. H. L. Laurel street, Municipal Paving Co., care of owner, \$42,238.78; Second street, Oxford street, Municipal Paving Co., care of owner, \$42,774.30; Seventh street, Accchino & Canuso, 804 South Twelfth street, \$12,143.15; Eleventh street, Cherry, Mazolla & Marano, 739 South Seventh street, \$89,139.94; Sixtieth street, Union Paving Co., Thirtieth and Locust streets, \$34,378.25; Ninth, Wingohocking to Roosevelt Boulevard, Barber Paving Co., Land Title Building, Philadelphia, \$5,239.85; Bensalem avenue bridge, Barber Paving, Land Title Building, \$24,235.35. Curb and footway, J. P. O'Rourke, 5108 Wyalusing avenue, \$11,599.50. Alley work, First District, City Paving Co., care of owner, \$2,594.70. Alley work, Second District, City Paving Co., care of owner, \$1,779.40. Alley work, Third District, City Paving Co., care of owner, \$2,135.46. Alley work, Sixth District, M. and J. B. McHugh, 892 Markoe street, \$6,818.77.

Pennsylvania Construction News

Factory (add.), Hanover, Pa. Architect, private plans. Owners, Mummert & Dixon, Ervin S. Mummert, Hanover, Pa. Brick, 1 story, 80x200 feet, Monitor type roof, cement work, electric work. Plans in progress.

Masonic Home, Coatesville, Pa. Architect, George Savage, Witherspoon Building, Philadelphia. Owners, F. and A. M. Building Corp., G. E. Dutrich, Bank Building, Coatesville. Brick and stone trim, 2 stories, 50x100 feet, slag roof, oak and pine floors, steam heat, electric light. Plans completed. Ready for bids in a few days.

Lodge Building, Ridge road and Market, Linwood, Delaware County, Pa., \$50,000. Owners, Farmer and Mechanics' Lodge, I. O. O. F., Linwood, Pa. Brick, stone, 3 stories, 30x90 feet, will contain 6 stores, auditorium and lodge rooms. Plans in progress. Work contemplated.

Parochial School, Buttonwood, Oak and Marshall, Norristown, Pa. Architects (associate), F. V. Nickels and C. J. Mitchell, 15 South Twenty-first street, Philadelphia. Owners, St. Francis' Roman Catholic Church, Rev. F. J. Ross, D. D., on premises. Foxcroft stone, 2 stories and basement, 64x145 feet, vapor heat, electric, slate roof, maple floors, tile work, will contain gymnasium, auditorium, etc., plumbing, showers. Architects taking bids due April 4th.

Manufacturing Building, West of Hook Creek, South side of Post road, Marcus Hook, Pa., \$500,000. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Viscoes Co., C. E. Hendricson, treasurer, Marcus Hook, Pa. Reinforced concrete, 1 story, saw-tooth roof, cement floors, electric light. Owners will build.

Theatre, Office and Apartment, Main and Coal streets, Shenandoah, Pa. Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owners, Morris Oppenheimer and Nathan Sweet, Shenandoah, Pa. Brick, concrete, frame, 3 stories and basement, 30x150 feet, slag and tin roof, composition floors, structural steel, plastering, stucco work,

sheet metal work, marquise, plate glass, painting, steam heat, electric light, tile, marble and terrazzo work, miscellaneous iron work. Architect taking sub-bids due as soon as possible.

Bank Building, Middletown, Pa., \$50,000. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owners, Citizens' National Bank, Dr. Eugene Laverty, chairman, Middletown, Pa. Stone, marble, 35x100 feet, bronze work, metal sash, composition roof, vault equipment. Preliminary plans in progress.

Wolf Junior High School (alts.), Easton, Pa., \$50,000. Architect, E. H. Wenzelberger, 224 Northampton street, Easton, Pa. Owners, Easton School Board, R. E. Peiffer, secretary, Easton, Pa. Architects selected. Too early for details.

School, Harvey's Lake, Pa. Architect, H. G. Cook, Miners' Bank Building, Wilkes-Barre, Pa. Owners, School District of Lake Township, G. C. Armitage, Anderson, Pa. Concrete block, 1 story, 58x108 feet, pine floors, hot air heat, electric light. Lowest bidders: Berwick Lumber & Supply Co., Berwick, Pa., \$27,815. Heating, American Heating & Ventilating Co., 1505 Race street, Philadelphia. Electric, George E. Killer & Brothers, Allentown, Pa.

School, Luzerne, Pa. Architect, H. G. Cook, Jr., Miners' Bank Building, Wilkes-Barre, Pa. Owners, St. John's Roman Catholic Church, Miller street, Luzerne, Pa. Frame, 2 stories and basement, 56x118 feet, built-up roof, wood and composition floors, steam heat, electric light, wood sash. Low bidders: Berwick Lumber & Supply Co., Berwick, Pa.

Bridges (2), No. 221 Newton road, connecting St. David's road. No. 142, Tribbett avenue, Borough of Folcroft, Pa. Engineer, S. H. Hollinger, Media, Pa. Owners, Commissioners of Delaware County, Media, Pa. Reinforced concrete. Work contemplated.

Bridges (2), No. 144, South avenue over Muckinapatus Creek, Glenolden. No. 68, State road over Naylor's Creek, Pa. Engineer, S. H. Hollinger, Media, Pa. Owners, Commissioners of Delaware County, Media, Pa. Widening and making extensions. Work contemplated.

Sunday School Building, Hazleton, Pa. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, Christ Lutheran Church, Hazleton, Pa. Stone, brick, cut stone, steel, limestone, 2 stories and basement, 116x77 feet, built-up and asbestos shingle roof, rubber, oak, maple and cement floors, steam heat, electric light, metal lath, hollow metal sash, kalamein doors, floor hardener, ornamental iron work, plumbing, hollow tile, waterproofing, granite, steel partitions, flagstone, slate work, galvanized wrought iron and cast iron pipe. Architects taking bids due April 6th.

Supplies, Borough of Lansdowne, Lansdowne, Delaware County, Pa. Owners, Borough of Lansdowne, F. C. Nieweg, secretary, 53 Price avenue, Lansdowne, Pa.; F. B. Titus, Borough manager, Lansdowne. Owners taking bids due April 9th, 8 P. M. Item 1, shale brick, rough hard brick, terra cotta sewer pipe. Certified check of \$25 must accompany each bid. Item 2, crushed stone. Certified check of \$50. Item 3, cement, Jersey gravel, concrete sand, bar sand. Certified check \$50. Item 4, steel reinforced mesh, steel reinforced bars. Certified check \$25. Item 6, 24-inch manhole tops, inlet covers, inlet grates. Certified check \$25.

Residence, Jenkintown, Pa. Architect, Henry L. Reinhold, Jr., 1513 Walnut street, Philadelphia. Owner, Arlein Bittner, care of architect. Preliminary plans in progress.

Residence (alts. and add.), Wyncote, Pa. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, George Horace Lorimer, Esq., on premises. Plans in progress.

Residence, Wilkes-Barre, Pa. Architect, E. B. Gilchrist, 1618 Latimer street, Philadelphia. Owner, Paul Sterling, Wilkes-Barre, Pa. Brick, stone, 2½ stories, electric light, hardwood and pine floors. Plans in progress.

Recreation Building, Sylvan Heights, Harrisburg, Pa. Architect, Paul Monaghan, 1713 Sansom St., Philadelphia. Owners, Sylvan Heights Orphanage, Rt. Rev. P. J. McDevitt, Harrisburg, Pa. Brick, 1 story, 40x80 feet, slate roof, steam heat, electric light, glass work. Plans in progress.

Masonic Temple, Third and Division streets, Harrisburg, Pa. Architect, not yet selected. Owners, Masonic Temple, care of Mercer Tate, 222 Market street, Harrisburg, Pa. Work contemplated.

Store and Office, Bradford, Pa., \$40,000. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Barnsdall Printing Co., Bradford, Pa. Fireproof, 2 stories. Too early for details.

Bank Building (add.), 118 Wyoming avenue, Scranton, Pa. Architect, Edward Langley, Scranton Life Building, Scranton, Pa. Owners, Third National Bank, William H. Peck, president, on premises. Brick, concrete, steel, 3 stories, 30x75 feet, tile and marble work. Plans in progress.

Masonic Temple, Lebanon, Pa. Architect, not yet selected. Owners, Mt. Lebanon and Mt. Olivet Lodges of Masons, D. J. Leopold, chairman, Lebanon, Pa. Probably brick, stone and steel, 3 stories. Work contemplated. Architect not yet selected.

Delaware County Hospital, Conway Tract, Lansdowne avenue, Upper Darby. Architect, H. W. Castor, Stephen Girard Building, Philadelphia. Owners, Delaware County Hospital, care of Dr. T. Clawson Beswick. Size of lot, 180x500 feet. Architect selected. Too early for details.

Church, Reading, Pa. Architects, Muhlenberg Brothers, 511 Penn street, Reading, Pa. Owners, First Church of Christian Science, care of Ezra A. Wenrich, West Wyomissing, Pa. Limestone, 1 story and basement, 63x89 feet. Too early for details.

Church (alts. and add.), Pottstown, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, Greek Catholic Church, Rev. Zeno Chanath, Pottstown. Steel, brick, stucco, 1 story, 42x40 feet, slate roof, pine floors, steam heat, electric light, tile work, copper work, ornamental iron work. Plans in progress.

Masonic Temple, Pottsville, Pa. Architects, Muhlenberg Brothers, 511 Penn street, Reading, Pa. Owners, Pulaski Realty Co., Pottsville, Pa. Stone, limestone, brick, concrete, 5 stories and basement, 50x103 feet, concrete and maple floors, elevators, safety treads, roof ventilators, waterproofing and dampproofing, ornamental iron work, iron stairs, steam heat, electric light, metal lath, tile and marble work, rolled steel sash. Plans in progress.

Residences (60), Bryn Mawr, Haverford, Gladwyn, Wynnewood, Pa. Architect, private plans. Owners, Powell Const. Co., 2 Cricket avenue, Ardmore, Pa. Clapboard, stone, brick, stucco, 2½ and 1½ stories, 40x30 feet, 20x30 feet, slate and shingle roof, oak and pine floors, hot water heat, electric light, tile work, ornamental iron work. Owners taking sub-bids on all lines.

Residence, York, Pa. Architects, Whitman & Royer, 47 East Market street, York, Pa. Owner, Henry P. Pelling, York, Pa. Brick, 2½ stories, 26x36 feet, shingle roof, hardwood floors, electric light. Plans in progress.

High School (alts.), York, Pa., \$50,000. Architects, Gemmill & Billmeyer, Rosenmiller Building, York, Pa. Owners, School Board of York, D. M. Crider, secretary, York, Pa. General interior alterations. Plans in progress.

Office and Stores, York, Pa. Architect, J. A. Dempwolf, Centre Square, York, Pa. Owner, Mahlon N. Haines, York, Pa. Brick, steel, 5 stories, 40x150 feet, composition roof, concrete and composition floors, elevators, safety treads, roof ventilators, dampproofing, ornamental iron work, iron stairs, fire doors, skylights, steel sash, tile and marble, metal lath, steam heat, electric light. Revised plans in progress.

Stores (2), Apartment, Church street, Phoenixville, Pa. Architect, E. A. Roth, Drexel Building, Philadelphia. Owner, Maurice Neuman, 212 Church street, Philadelphia. Brick, 2 stories, 18x60 feet, 16x60 feet, slag roof, pine floors, hot water heat, electric light, tile work. Plans in progress. Owner will be ready for sub-bids in two weeks.

Residences (6), Drexel Hill, Pa. Architect, private plans. Owners, Seely & Co., 1504 Locust street, Philadelphia. Frame and stucco, 2½ stories, 18x30 feet, slag roof, asbestos shingle roof, oak and pine floors, hot water heat, electric lighting, tile work, ornamental iron work. Plans in progress. Ready for bids in May.

Twin Residence, Rosedale, Reading, Pa. Architect, Calvin Young, 226 N. Sixth street, Reading, Pa. Owners, William S. Hummel and A. D. Smith, Reading, Pa. Brick, 2 stories, 16x41 feet each, composition roof, pine floors, electric lighting. Owners will build.

Dye House, Chester, Pa. Architect, Emil G. Perot, 1211 Arch street, Philadelphia. Owners, Aberfoyle Mfg. Co., Edmund Lord, Chester, Pa. Concrete steel, saw tooth const., 3 stories, 240x140 feet, concrete roof, cement floors, (2) elevators, steam heat, electric light, metal lockers, steel sash. Owners ready for sub-bids.

Residence, Lansdowne, Pa., \$40,000. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, J. J. Wilson, Twentieth and Ellsworth streets, Philadelphia. Stone, 3 stories, 28x46 feet, 18x20 feet, 28x28 feet, wood shingle roof, oak floors, hot water heat, oil burning equipment, electric light, tile and marble work, metal lath, cement work, Kerner incinerator, refrigeration. Owner ready for sub-bids.

Residence, Lancaster, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owner, T. M. Metzgar, Lancaster, Pa. Stone and cinder block, 2½ stories, 34x32 feet, green slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Owner taking bids.

Temple, Third and Forster streets, Harrisburg, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, I. O. O. F., Harrisburg, Pa. Reinforced concrete, brick, stone, 5 stories, 37x130 feet composition or slag roof, pine, composition and tile floors, hollow tile, elevators, safety treads, cut stone, ornamental iron work, concrete stairs, structural steel, tile work (elevators, heating, plumbing and electric reserved). Architects taking bids due April 4th.

School, Hummelstown, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Humelstown School District, W. M. Sharp, secretary, Hummelstown, Pa. Semi-fireproof, composition roof, pine floors, roof ventilators, dampproofing, iron stairs, fire doors (heating, plumbing and electric work separate). Owners taking bids due April 10th.

Apartment Building, 425 North Fifth street, Reading, Pa. Architect, H. G. Mohn, Church and Walnut streets, Mohnton, Pa. Owner, H. Stein, on premises. Brick, 3 stories, residence alterations to three apartments. Owner taking bids.

Residence, Haverford, Pa. Architects, Mclor, Meigs & Howe, 205 South Juniper street, Philadelphia. Owner, Robert J. Holden, 14

South street, Philadelphia. Stone, brick, cut stone, 2 stories and basement, 138x40 feet, wing 23x24 feet (plumbing, heating, electric reserved), metal lath, tile and marble work, hollow metal sash, ornamental iron work, painting and glazing, flagstone, copper roof, oak and pine floors. Architects taking bids due April 3rd.

Silk Mill, Lancaster, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owners, Siehli Silk Co., care of architect. Brick, structural steel, 3 stories, 162x44 feet, Barrett roof, cement and linoleum floors, waterproofing and dampproofing, steel sash, steam heat, electric light. Architect taking bids due April 9th.

Restaurant and Apartment, Bloomsburg, Pa. Architect, Benjamin Rush Stevens, 1827 Arch street, Philadelphia. Owners, Gelb & Mayer, Bloomsburg, Pa. Brick, concrete, steel, 2 stories and basement, 48x36 feet, Barrett Specification roof, cement and pine floors, plumbing, steam heat, electric light, metal lath, rolling steel skylights, bond, wrought iron pipe. Architect taking bids.

Church, Seventeenth and Market streets, Harrisburg, Pa. Architect, J. A. Dempwolf, Centre Square, York, Pa. Owners, Memorial Lutheran Church, Dr. Lewis Menges, Harrisburg. Granite, stone, steel, 1 story and basement, 82x122 feet, slate roof, maple and tile floors, hollow tile, ornamental iron work, tile and marble, metal lath, steam heat, electric light. Architect and owners taking bids.

Residence (alts.), Wynnewood, Pa. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, L. H. Kinnard, Wynnewood, Pa. Carpentry and mill work, plastering, painting and glazing, electric light, tile work, stair work, shingle work, hardware, metal weather strips. Architect taking bids due April 2nd.

Church, Steelton, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owner, Rev. Warner Brown, Steelton, Pa. Stone or brick, 1 story and basement, 40x100 feet, slate roof, hardwood floors, electric light. Architect taking bids.

Residence, New Cumberland, Pa. Architects, Whitman & Royer, 47 East Market street, York, Pa. Owner, Rev. V. T. Rue, Wrightsville, Pa. Brick, 2½ stories, 28x36 feet, asphalt shingle roof, hardwood and pine floors, hot water heat, electric light. Owner taking bids.

Studio and Residence, Orange street, Lancaster, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owner, George Killian, 303 North Lime street, Lancaster, Pa. Cinder block and stucco, 2 stories, 35x65 feet, slate roof, hardwood floors, electric light, tile work. Architect taking bids.

Vaudeville Stage, York, Pa. Architect, Edward Leber, Hay Building, York, Pa. Owners, York Agricultural Society, York, Pa. Reinforced concrete, 1 story, 50x75 feet, concrete floors, steel sash, electric light, canvas roof. Architect taking bids due April 5th.

Residence, Lancaster, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owner, Charles E. Wissner, 515 East Chestnut street, Lancaster. Hollow tile, stucco, stone, 2½ stories, 62x28 feet, shingle roof, oak floors, vapor heat, electric light, tile and marble work (heating reserved), cut stone. Architect taking bids due April 8th.

Y. M. C. A. Building, York, Pa. Architects, Thomas, Martin & Kirkpatrick, Otis Building, Philadelphia. Associate architect, Edward Leber, Hay Building, York, Pa. Owners, Y. M. C. A., care of J. M. Bailey, secretary, York, Pa. Brick, steel, 5 stories and basement, 119x165 feet, steam heat, electric light, slag roof, concrete and oak floors. Architects ready for bids.

Pennsylvania Contracts Awarded

Residence (alts.), New Garage, Skippack, near Lewistown, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, George Berner, care of architect. Stone, 3 stories, shingle roof, 2 stories add., 20x20 feet, garage, 2 stories, 22x28 feet, hardwood and cement floors, hot water heat, Delco lighting system, tile and marble work, oil burning, incinerator, refrigeration, artesian well, general alts. and add. Contract awarded Simon Reece, 2424 North Park avenue, Philadelphia.

Reading Shop Yard, Grading, Reading, Pa. Architect, private plans. Owners, Philadelphia & Reading, Twelfth and Market streets, Philadelphia. Grading, etc. Contract awarded M. J. McMenamin, Commercial Trust Building, Philadelphia.

Bridges (2), 34-05 and 34-10, South of Tripoli, Pa. Owners, Philadelphia and Reading, Twelfth and Market streets, Philadelphia. Reinforced concrete steel. Contracts awarded—Grading and masonry, O'Rourke Brothers, Norristown, Pa.; waterproofing, B. Foster, Twentieth and Venango streets, Philadelphia.

Building (add.), Williamsport, Pa. Architect, F. Arthur Rianhard, Masonic Temple, Williamsport, Pa. Owners, Williamsport Turn Verein, Williamsport, Pa. Contract awarded to Jacob Gehron, Williamsport, Pa. Electric awarded to A. Otis Garthoff, Williamsport, Pa.

Clubhouse, Gulph Mills, Montgomery County, Pa. Architect, Louis Rush, 34 S. Seventeenth street, Philadelphia. Owners, Gulph Mills Golf Club, Gulph Mills, Montgomery County, Pa. Concrete block, cut stone, 2½ stories and 1 story, 79x45 feet, shingle roof, oak, cement and linoleum floors, electric light, tile and marble work, rolled steel sash, bond, metal weather strip, waterproofing, Sanymetal partitions. Contract awarded E. J. Hedden Co., Finance Building, Philadelphia.

High School (alts. and add.), Montrose, Pa. Architects, E. H. Davis and George M. D. Lewis, Union Bank Building, Scranton, Pa. Owners, Montrose School Board. A. J. Wheaton, secretary, Montrose, Pa. Brick, reinforced concrete, steel, limestone, 2 stories and basement, 115x37 feet, slag roof, composition floors, metal lath. Contract awarded to A. E. Badgley, Binghamton, N. Y. Plumbing, H. N. Gardner, 920 Green Ridge, Scranton, Pa. Heating, B. G. Carpenter, 508 South Main street, Wilkes-Barre, Pa. Electric, Hartman Electric Const. Co., Scranton, Pa.

School, Doylestown, Pa., \$27,000. Architect, A. Oscar Martin, Doylestown, Pa. Owners, Board of Education, Doylestown, Pa. Brick, steel, 2 stories, 66x67 feet (plumbing, heating, electric separate), slag roof, maple floors. Contract awarded Stoneback & Nace, Quakertown, Pa. Heating and plumbing, J. J. Ruse, Doylestown, \$5,000. Electric, Jacob Frater, Doylestown, Pa., \$500.

Bungalow, York, Pa. Architect, Edward Leber, Hay Building, York, Pa. Owner, George H. Whiteley, 905 South Beaver street, York, Pa. Hollow tile and stucco, 1½ stories, 46x88 feet, slate roof, hardwood floors, vapor or hot air heat, electric light. Contract awarded to G. W. Gilbert, Mason and Park avenues, York, Pa.

Store and Apartment (2), Brookline, Pa. Architects, MacKenzie and Wiley, Bankers' Trust Building, Philadelphia. Owners, Glover Brothers, on premises. Brick, hollow tile, stucco, 2 stories and basement, 76x40 feet, slag roof, pine and oak floors, plumbing, metal ceiling, steam heat, electric light, metal lath, tile work, wrought iron pipe. Contract awarded Bowden Const. Co., 1607 Summer street,

Philadelphia, who are taking sub-bids due as soon as possible.

Residence (alts.), Cynwyd, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, Burton W. Currie, Cynwyd, Pa. Carpentry and mill work, pine floors, hardware, electric light (plumbing, lighting fixtures, paperhanging reserved). Contract awarded W. O. Springer, 2004 Naudain street, Philadelphia.

Residence, York, Pa. Architect, R. A. Stair, Guardian Trust Building, York, Pa. Owner, Mrs. Mary Frick, York, Pa. Brick, 2 stories, 30x28 feet, slate roof, hardwood floors, tile work, hot water heat, electric light. Contract awarded to G. W. Gilbert, Mason and Park avenues, York, Pa.

Brunswick Hotel (add.), Lancaster, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owners, Brunswick Hotel, Paul Shine, Lancaster, Pa. Brick, steel, concrete, cut stone, 8 stories, 45x92 feet, 12x12 feet, Barrett roof, cement and yellow pine floors, plumbing, metal weather strips, ornamental terra cotta, ornamental iron work, bond. Contract awarded to J. H. Wickersham, Breneman Building, Lancaster.

Home (alts. and add.), Collegeville, Pa. Architect, private plans. Owners, Children Country Week Association, Collegeville, Pa. Carpentry, brick work, cement work, plumbing, shingle roof. Contract awarded S. A. Sims Co., 2315 Walnut street, Philadelphia.

Garage (alts.), Villanova, Pa. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, Conyers Read, Villanova, Pa. Contract awarded H. P. Wolfe, Bryn Mawr, Pa.

New Jersey Construction News

Residences (2), 936-38 Lansdowne avenue, Camden, N. J., \$8,000. Architect, private plans. Owner, Stanislaw Kaspazak, 1011 Atlantic avenue, Camden, N. J. Brick, 2 stories, 14x50 feet and 15x50 feet, slag roof, hot water heat, electric light. Owner will build.

Residences (2), 3306-12 Remington street, Camden, N. J., \$7,600. Architect, private plans. Owner, William F. Todd, 952 North Thirty-second street, Camden, N. J. Frame, 1½ stories, 24x34 feet, rubberoid shingle roof, hot air heat, electric light. Owner will build.

Nurses' Home (alts.), Camden, N. J. Architects, Morris & Erskine, 1716 Cherry street, Philadelphia. Owners, Cooper Hospital, Camden, N. J. Cement work, plastering, carpentry and mill work, metal ceilings, metal lath, kalamein partitions, kalamein doors, plastering, iron stairs, carpentry and mill work, hardware, painting. Architects taking bids due April 2nd.

Schools (3), Clarksboro, Mt. Royal, Mickleton, N. J. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Board of Education of East Greenwich Township, Gloucester County, N. J. Brick, hollow tile, steel, cut stone, 2 stories and basement, 1 story and basement, 76x36 feet, 65x63 feet, 2 stories and basement, 61x47 feet, cement and maple floors, Buckingham slate roof, plumbing, roof ventilators, dampproofing, ornamental iron work, iron stairs, composition treads, wrought iron pipe, bond, kalamein doors, metal lath, steam heat, electric light. Owners taking bids due April 8th.

Residence, Bridgeton, N. J. Architect, T. Edward Ash, 1012 Walnut street, Philadelphia. Owner, Robert Moore, Bridgeton, N. J. Brick, stucco, 2½ stories, 40x50 feet, tile roof, hardwood floors, hot water heat, electric light, oil burning equipment, tile work. Plans in progress.

Hospital, Trenton, N. J., \$300,000. Archi-

tect, William A. Klemann, First National Bank Building, Trenton. Owners, St. Francis' Hospital, Sister Alcantara, superintendent, Chambers and Hamilton streets, Trenton, N. J. Architect selected.

Residence, Greenwood street, Trenton, N. J. Architect, R. A. Schumann, 202 West State street, Trenton, N. J. Owner, Joseph Hersh, 244 Oak street, Trenton, N. J. Brick, 2 stories, 22x45 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Store (add.), Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton. Owner, H. M. Voorhees & Bros., 131 East State street, Trenton. Brick, steel, 4 stories, 54x60 feet, slag roof, pine floors, hollow tile, (2) elevators, roof ventilators, waterproofing and dampproofing, ornamental iron work, iron stairs, fire doors, rolled steel sash, metal lath, heating extension, electric light. Architect ready for bids.

County Clerk's Office, May's Landing, Atlantic County, N. J. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City. Owners, Board of Chosen Freeholders, May's Landing, N. J. Brick, reinforced concrete, steel, 2 stories and basement add., 31x66 feet (plumbing, electric, heating, ventilating, furniture separate), Barrett roof, hollow tile, concrete and composition floors, waterproofing, iron window frames, iron stairs, wrought iron pipes, bond, rolled steel shutters, fire doors, steel locker rooms, skylight curbs, metal skylights. Owners taking bids due April 8th.

Residence (alts. and add.) to Apartment, 206 West State street, Trenton, N. J. Architect and owner, Robert Schuman, 202 West State street, Trenton, N. J. Brick, 4 stories, various sizes, slate roof, hardwood floors, electric light, tile work, partitions, general alterations. Owner will build.

Residence and Garage, Moorestown, N. J. Architect, Fred L. Ackerman, 25 West Forty-fourth street, New York City. Owner, Dr. S. Emlen Stokes, Moorestown, N. J. Stone, brick, steel, 2½ stories and basement, 100x46 feet, wing 55x23 feet, garage, 2 stories, 28x64 feet, slag, green slate roof, cement and oak floors, terra cotta, roof ventilators, metal weather strips, waterproofing and dampproofing, ornamental iron work, bond, metal lath, tile and marble work, metal lumber, artificial cut stone, artificial stone, bluestone, soapstone, magnesite composition floors, rubber flooring, cork flooring, painting and glazing (plumbing, heating, electric work, lighting fixtures reserved). Architect taking bids due April 9th.

School, Alloway Township, N. J. Architect, Walter L. Custer, Bridgeton, N. J. Owners, Board of School Directors, Alloway, Salem County, N. J. Reinforced concrete, brick, steel, 1 story and basement, 123x80 feet, slag roof, pine floors, hollow tile, painting and glazing, roof ventilators, metal lath, hollow metal doors, bond, ornamental iron work, cast stone, copings, sangmetal toilet partitions.

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metal cornice beads (plumbing, heating, electric separate). Owners taking bids due April 6th.

Stanley Theatre, Sixth and Market streets, Camden, N. J. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, Stanley Co. of America, 1916 Race street, Philadelphia. Brick, stone, steel, concrete, limestone, terra cotta, 160x110 feet, slag roof, steam heat, electric light, tile and marble work, roof ventilators, fire doors, cement work. Architects taking sub-bids due April 8th.

Moving Picture Theatre and Store, Clayton, N. J. Architect, private plans. Owner, name withheld. Cement block, structural steel, 1 and 2 stories, 37x135 feet, mill work, plastering, slag roof, fireproofing, sheet metal work, metal doors. J. E. Lawrence, Westville, N. J., taking sub-bids.

Residence, 3309 Pelham Place, Camden, N. J., \$7,500. Architect, private plans. Owner, Adam Stephen, 3275 Pelham Place, Camden, N. J. Block and stucco, 2 stories, 27x34 feet, rubberoid roof, hardwood and pine floors, warm air heat, electric light. Owner will build.

New Jersey Contracts Awarded

Machine Shop, Trenton, N. J. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, John E. Thropp & Sons, Inc., on premises. Brick, steel, 1 story, 82x161 feet, gypsum slag roof, cement floors, rolled steel sash, bond, floor hardener, ornamental iron work. Contract awarded H. E. Baton, 1713 Sansom street, Philadelphia.

Building (add.), 17 Broadway, Camden, N. J., \$9,000. Architect, private plans. Owner, William E. Morganwick, 17 Broadway, Camden, N. J. Brick, 1 story, 3x70 feet, slag roof, pine floors, electric work. Contract awarded to Sol. Frisch, Clementon, N. J.

Bridge (add.), No. 33-26, East of Trenton Junction, N. J. Owners, Philadelphia and Reading, Twelfth and Market streets, Philadelphia. Adding span. Contracts awarded—Excavation and masonry, Vare Const. Co., 1120 Race street, Philadelphia; waterproofing, Ralph V. Rulon, 229 North Thirtieth street, Philadelphia.

Platform Shelter, Ocean City Gardens, Ocean City, N. J. Architect, S. T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Philadelphia and Reading, Twelfth and Market streets, Philadelphia. Steel, 115x22 feet, slag roof, cement and concrete, painting and glazing, ornamental iron work. Contract awarded Otis M. Townsend, Ocean City, N. J.

Store, 2422 Federal street, Camden, N. J., \$7,000. Architects, Edwards & Green, 23 Broadway, Camden, N. J. Owners, Weiner & Cornfeld, 1110 Broadway, Camden, N. J. Brick and block, 1 story, 20x80 feet, slag roof, hot water heat. Contract awarded to H. B. Hastings, 1306 Atlantic avenue, Camden.

Home, Seventh and Cooper streets, Camden, N. J. Architect, Joshua C. Jefferies, 312 Market street, Camden, N. J. Owners, Camden Lodge, No. 293, B. P. O. Elks, Camden, N. J. Brick, reinforced concrete, steel, cut stone, cast stone, 3 stories and basement, 70x150 feet, slag roof (plumbing, heating, electric reserved), cement, pine and oak floors, hollow tile, metal lath, tile, marble and terrazzo work, hollow metal sash and doors, bond, ornamental iron work, iron stairs, shoring, waterproofing and dampproofing, architectural terra cotta, caulking, metal partitions, granite, bluestone. Contract awarded H. John Homan, Eighteenth and Cherry streets, Philadelphia.

Philadelphia. Plumbing and electric work not awarded. Heating, Camden Heating Co., Camden, N. J.

Rectory, New Brunswick, N. J. Architect, R. A. Schumann, 202 West State street, Trenton, N. J. Owners, St. Joseph's Roman Catholic Church, care of architect. Stone, 2½ stories, 18x60 feet, slate roof, hardwood floors, steam heat, electric light, tile work. Contract awarded to John Sabotos, New Brunswick, N. J.

Residence, Margate City, N. J. Architect, J. R. Ogden, 143 South South Carolina avenue, Atlantic City. Owner, Mrs. Ida Van Valkenburg, care of architect. Frame, 2½ stories, 26x42 feet, asbestos shingle roof, hardwood floors, tile work, hot water heat, electric light. Contract awarded to J. L. Stone, Ventnor, N. J.

Public Garage, Southeast Corner Tenth and Ferry avenue, Camden, N. J., \$10,000. Architect, private plans. Owner, Rose Graziosa, 2004 South Tenth street, Philadelphia. Brick, block, 1 story, 64x85 feet, slag roof, cement floors, steam heat, electric light. Contract awarded to Russell Washington, 1729 Van Buren street, Camden, N. J.

Residence, 1262 Sheridan street, Camden, N. J., \$7,000. Architect, private plans. Owner, M. Joseph Swenciaki, 1260 Sheridan street, Philadelphia. Brick, 2 stories, 28x37 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Joseph Costanza, 1338 Sheridan street, Camden.

Residence, 640 North Thirty-second street, Camden, N. J., \$3,800. Architect, private plans. Owner, Roland E. McMahon, 237 North Broad street, Woodbury, N. J. Frame, 2 stories, 24x26 feet, slate surface roof, hot air heat, electric light. Contract awarded to Albert Seidelman, Woodbury, N. J.

Delaware Construction News

Residences (4), 100-02-04-06 East Twenty-fifth street, Wilmington, Del., \$6,000 each. Architect, private plans. Owner, S. H. McCoy, 2213 Washington street, Wilmington, Del. Brick, 2 stories, 26x37 feet, Carey roof, pine floors, hot water heat, electric light. Owner will build.

Residences, Twenty-third and Harrison streets, Wilmington, Del., \$8,000. Architect, private plans. Owner, Charles W. Goodings, 810 West Twenty-third street, Wilmington, Del. Brick, 2 stories, 22x40 feet, slate roof, pine floors, hot water heat, electric light. Owner will build.

Residences (4), 2604-06-08-10 Tatnall street, Wilmington, Del. Architect, private plans. Owner, A. H. Lacey, 2612 Tatnall street, Wilmington, Del. Brick, stucco, 2 stories, 30x39 feet, slate roof, pine floors, hot water or hot air heat, electric light. Owner will build.

Delaware Contracts Awarded

Parish House, Fourth and Rodney streets, Wilmington, Del. Architects, Brown & Whiteside, DuPont Building, Wilmington, Del. Owners, Calvary Church, care of architects. Brick, hollow tile, stone, 1½ stories, 90x38 feet, slate roof, pine floors, steam heat, electric light. Contract awarded to H. S. Lynch, 715 Tatnall street, Wilmington, Del.

Residence and Garage (4), Woodlawn avenue, Wilmington, Del., \$15,000 each. Architect, private plans. Owner, J. J. English, 831 Orange street, Wilmington, Del. Brick, stone,

25x33 feet, slate roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Stephen Jackson, 831 Orange street, Wilmington.

Miscellaneous Construction News

Residences (2), location withheld. Architect, L. E. Binns, 5516 Germantown avenue, Philadelphia. Owner, name withheld. Concrete block, stucco, 2½ stories, hot water and hot air heat, electric light, asbestos and shingle roof, hardwood floors, tile and imitation tile. Plans in progress.

Group of University Buildings, Durham, N. C., \$5,000,000. Architect, H. Trumbauer, Land Title Building, Philadelphia. Owners, Trinity College, Durham, N. C. Will consist of administration building, dormitory building, gymnasium, auditorium, chapel, faculty building, power house, etc. Preliminary plans in progress. Dormitory building plans about completed, will be ready for bids in one week.

Miscellaneous Contracts Awarded

Silk Mill (add.), Harrisonburg, Virginia. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owners, Siehli Silk Co., care of architect. Reinforced concrete, 3 stories, 80x140 feet, slag roof, cement and linoleum floors, roof ventilators, waterproofing and dampproofing, steam heat, electric light, steel sash, iron stairs. Contract awarded to Seipp Company, Harrisonburg, Virginia.

Building, Washington avenue and West avenue, New York City. Architect, H. Trumbauer, Land Title Building, Philadelphia. Owner, New York Post, care of C. H. K. Curtis, Sixth and Chestnut streets, Philadelphia. Stone, steel, concrete brick, 18 stories, 150x170 feet. Contract awarded Thompson Starrett Co., 49 Wall street, New York City. Plans in progress.

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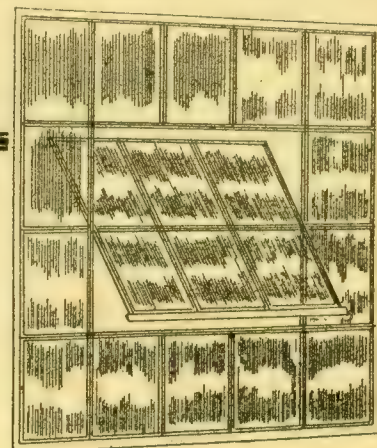
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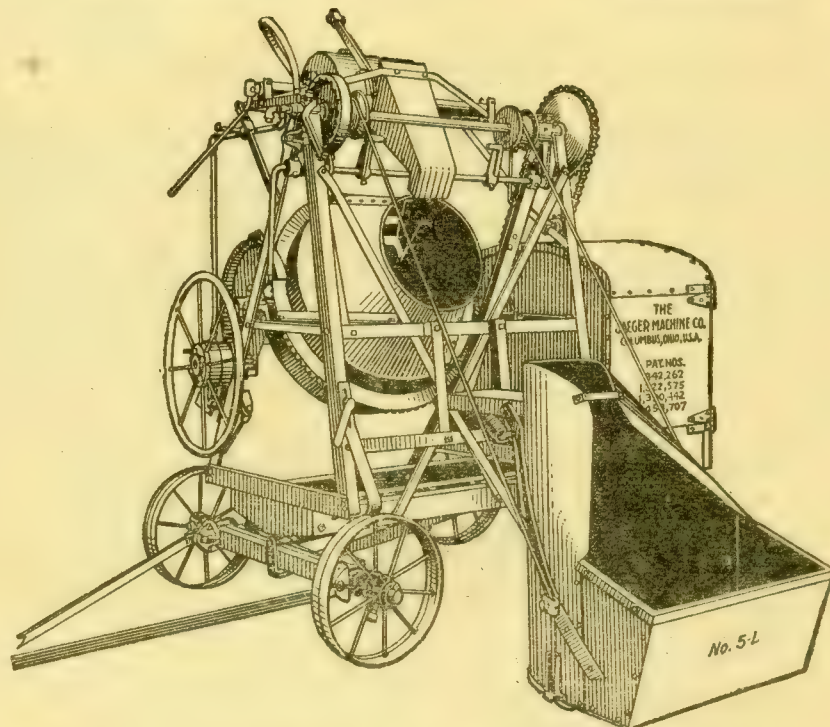
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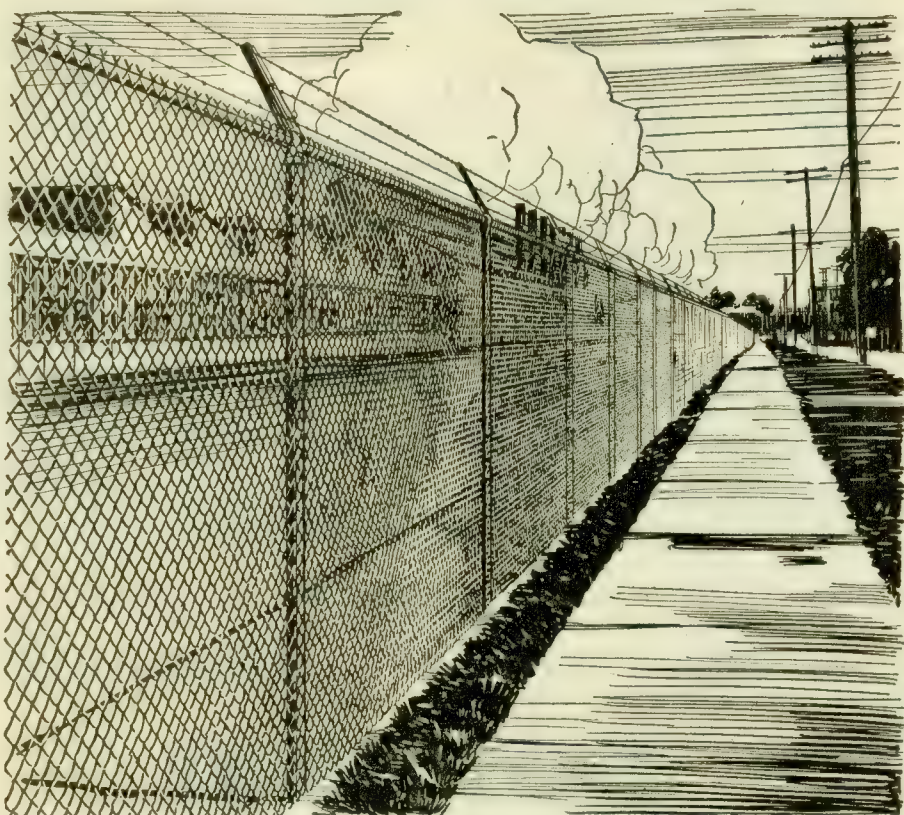
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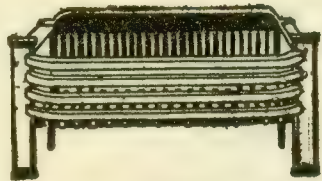
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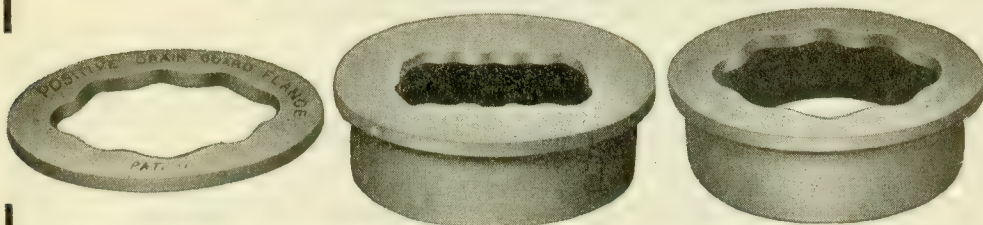
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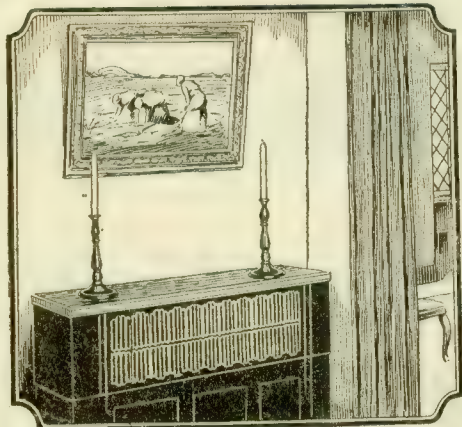
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Devoted to the Advancement of American Architecture, Structural

VOLUME XL

Number 14

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CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS;

CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Boys' Catholic High School, Torresdale and Hunting Park avenue. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, Diocese of Philadelphia, care of D. Cardinal Dougherty, Eighteenth and Race streets. Reinforced concrete steel, brick, granite, cut stone, gypsum slag roof, cement floors, hollow tile, roof ventilators, ornamental iron work, iron stairs, bond, hollow metal and kalamein doors, copper skylights, rolled steel sash, tile, marble and terrazzo work, metal lath, incinerators, limestone, metal toilet partitions, ornamental plaster. Architects taking bids due April 11th.

Apartment Building, Southeast Corner Thirty-seventh and Chestnut streets, Philadelphia. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, Elizabeth McShea, care of Merrill Co., 312 South Broad street, Philadelphia. Brick, steel, concrete, 13 stories, 36x100 feet. Work contemplated.

Residences (100), Hawthorne and Dyre streets, Pratt street, \$350,000. Architect, Karl F. Otto, 1828 Arch street, Philadelphia. Owners, Keir & Witty, Thirteenth and Cambria streets, Philadelphia. Brick, 2 stories, 15x37 feet, slag roof, oak and pine floors, hot water heat, electric light. Plans in progress. Owners will be ready for sub-bids in a month.

Store and Dwelling (6), Germantown avenue, North of Ashmeade Place. **Residences (8)**, Ashmeade Place, West of Germantown avenue, Philadelphia. Architect, William Lowenthal, 1208 Chestnut street, Philadelphia. Owners, Faden & Feinstein, on site of operation. Brick, 2 stories, 16x60 feet, 16x40 feet, slag, tile, tin and slate roof, hardwood floors, hot water heat, electric light, metal lath, tile work, hollow metal skylights, metal bulks, ce-

ment work, metal ceilings. Owners will be ready for sub-bids in a week.

Delaware River Bridge, Contract No. 21A. Architect, private plans. Owners, Delaware River Bridge Joint Commissioners, Widener Bldg., Phila. Manufacturing and delivery of steel reinforced trusses for roadway base of bridge over Delaware River connecting the cities of Philadelphia and Camden. Manufacture and delivery along bridge approaches of steel reinforced trusses. Deposit, \$15. Refunded. Owners taking bids due April 15th at 2.30 P. M.

Warehouse, Fortieth and Walnut streets, Philadelphia. Architect, George S. Kingsley, 1452 Broadway, New York City. Owners, Atlas Storage Co., W. E. Sweeting, Thirty-seventh and Market streets, Philadelphia. Reinforced concrete, brick, 8 stories and basement, 220x60 feet, slag roof, cement floors, hollow tile, elevator, dampproofing, bond, galvanized iron skylights, rolled steel sash, metal electric light, steam heat, caen stone, metal corner beads, galvanized iron pipe, plumbing, sprinkler system, metal casements sash, steel sash, ventilating system. Owners taking bids due April 14th.

Garage (alts. and add.), 2645 Christian street, Philadelphia, \$2,000. Owner, Charles McCarron, 2904 Gray's Ferry avenue, Philadelphia. Brick, 1 story add., 6 feet 6 inches x 88 feet, slag roof, general alterations. Owner will build.

Garage (alts. and add.), 1002-10 Watkins street, Philadelphia, \$18,000. Architect, H. Coscia, 1611 South Fifteenth street, Philadelphia. Owner, J. G. Angelio, care of architect. Brick, steel, 2 stories, 16x125 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash, rolling steel doors, elevators. Architect ready for general bids.

Supplies, Philadelphia. Purchasing agent, E. J. Lafferty, 312 City Hall, Philadelphia. Owners taking bids due April 17th at noon. Boiler tubes, binder slag, crushed stone, asphaltic cement, bituminous materials, copper wire, cables.

Pleasant Hill Beach, Philadelphia. Engineers, Albright & Mebus, 1502 Locust street, Philadelphia. Owners, Department of Public Welfare, Bureau of Recreation, 595 City Hall. Concrete retaining wall, grading, iron fence, shower building, plumbing, electric work. Owners taking bids due April 16th at noon. Plans may be obtained from engineer's office.

Show Room and Garage, 5410 Chester avenue, Philadelphia, \$40,000. Architect, private plans. Owner, Fred Sbroglia, 6001 Elmwood avenue, Philadelphia. Brick, 1 story, 41x94 feet, 101x98 feet, slag roof, cement floors, electric light. Owner will build.

Store (alts.), Southwest Corner Eighth and Cherry streets, Philadelphia. Architect, H. Coscia, 1611 South Fifteenth street, Philadelphia. Owner, T. Nigro, care of architect. New front, electric light, tile work, hardwood floors, plate glass, plastering, metal bulks and cornices. Plans completed. Architect ready for bids.

Residence, School Lane, Germantown, Philadelphia, \$75,000. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, Ralph A. Gibbs, care of architect. Hollow tile, stucco, 2½ stories, 100x40 feet, slate roof, hardwood floors, heating not decided, electric light, tile work. Preliminary plans in progress.

Residence and Office (alts. and add.), 338-40 South Smedley street, Philadelphia. Architect and owner, Charles Barton Keen, 338 South Smedley street, Philadelphia. Brick, 1 and 2 stories add., 12x17 feet each, slag roof,

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hardwood floors, hot water heat, electric light. Plans in progress.

Service Station, Northeast Corner Forty-eighth and Lancaster avenue, Philadelphia. Architect, S. Kaplan, 10 South Eighteenth street, Philadelphia. Owners, Atlantic Refining Co., Broad and Spruce streets, Philadelphia. Architectural terra cotta, concrete, 1 story. Plans in progress. Too early for details.

Residences (26), Hunting Park avenue, between N and O streets, Philadelphia. Architect, private plans. Owner, Frank P. Dougherty, 1936 East Passyunk avenue, Philadelphia. Brick, 2 stories, 16x32 feet, slag roof, oak and pine floors, hot water heat, electric. Plans in progress. Ready for bids in a week.

Residences (24), Queen Lane, between Vaux and Conrad streets, Philadelphia. Architect, private plans. Owner, M. J. McCrudden, Real Estate Trust Building, Philadelphia. Concrete block or hollow tile, stucco, 2 stories, 16x40 feet, slag roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans in progress.

Residences (30), Ainslee, between Vaux and Henry street, Philadelphia. Architect, private plans. Owner, M. J. McCrudden, Real Estate Trust Building, Philadelphia. Concrete block or hollow tile and stucco, 2 stories, 16x40 feet, slag and slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans in progress.

Truck Tire Service Station, Ludlow near Thirty-sixth street, Philadelphia. Architect, Ellery K. Taylor, 1416 Chestnut street, Philadelphia. Owner, Harold K. Schoff, care of architect. Brick, steel and concrete, 1 and 2 stories, 50x80 feet, slag roof, cement floors, steam heat, electric light, hollow metal sash. Working plans in progress. Will be ready for bids in 3 weeks.

Bank Building (Branch), 2531-35 West Lehigh avenue, Philadelphia. Architect, H. Bruger, 505 Chestnut street, Philadelphia. Owners, Broad Street National Bank, Broad and Diamond streets, Philadelphia. Low bidder, Paul Brosz, 2511 West Huntingdon street, Philadelphia. Contract will be awarded in about one week.

Building (rear add.), 2000 Mt. Vernon street, Philadelphia. Architect, private plans. Owner, Thomas Tarpey, 2000 Mt. Vernon street, Philadelphia. Brick, stone, 2 stories and basement, 22x12 feet, slag roof, composition, cement and oak floors, hot water heat, electric light, plumbing, ornamental iron work. W. Edward Pierce, 328 South Juniper street, Philadelphia, taking sub-bids due as soon as possible.

Store (alts. and add.), 3609 Market street, Philadelphia. Architect, I. J. Spierer, 1304 North Second street, Philadelphia. Owner, W. G. Wuestcamp, 4257 Market street, Philadelphia.

Brick, 1 story add., 16x8 feet, heating alts., electric light, tile and marble work, slag roof, hardwood floors, excavation, demolition, prism and plate glass, flush bulks, stair work, iron work, plastering. Owner will take sub-bids in three weeks.

Residences (54), Randolph street, between Johnson and Bigler streets, Philadelphia. Architect, private plans. Owner, William L. Jones, 2860 South Fifteenth street, Philadelphia. Brick, steel, 2 stories and basement, 16x32 feet, slag roof, oak and pine floors, hot water heat, electric light, tile work. Plans in progress. Ready for bids in a month.

Residences (6), Johnson street, West of Marshall street, Philadelphia. Architect, private plans. Owner, William L. Jones, 2860 South Fifteenth street, Philadelphia. Brick, steel, 2 stories, 16x32 feet, slag roof, oak and pine floors, hot water heat, electric light. Work about to start.

Club House, Northwest Corner Seventh and Pine streets, Philadelphia. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Owners, name withheld. Stone, brick, concrete, steel, 3 stories, 50x100 feet, slag roof, maple and composition floors, vapor heat, electric light, tile and marble work, ornamental iron work, ornamental plaster, sheet metal, painting and glazing, hardware, stucco, plastering. Fred E. Schmidt & Son, Inc., taking sub-bids, 2721 North Fifth street, Philadelphia.

Store and Residence, Northeast Corner Seventeenth and Oxford streets, Philadelphia. Architect, Joseph Margolis, 1505 Race street, Philadelphia. Owner, name withheld. Concrete, steel, brick, 3 stories, 18x70 feet, excavating, brick pointing, hot water heat, electric light, tile and marble work, slag roof, hardwood floors, metal ceilings, painting and glazing, sheet metal work, plastering, copper bulks. Fred E. Schmidt & Son, Inc., 2721 North Fifth street, Philadelphia, taking sub-bids.

Office and Residence, 6950 Torresdale avenue, Philadelphia. Architect, Joseph Margolis, 1505 Race street, Philadelphia. Owner, name withheld. Stone, brick, limestone, concrete, steel, 2 stories and basement, excavating, stair work, hot water heat, electric light, slag roof, tile and marble work, painting and glazing, plastering. Fred E. Schmidt & Son, Inc., 2721 North Fifth street, taking sub-bids.

Stores (4), East side of Broad, North of Jefferson street, Philadelphia. Owner, care of S. Cohen, 227 South Broad street, Philadelphia. Brick, 2 stories. Work contemplated.

Factory, 916 Green street, Philadelphia. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Atlas Elec. Co., J. J. McMahon, 1218 Hamilton street, Philadelphia. Brick, steel, 2 stories, 56x72 feet. Work contemplated.

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Medical Building, Eighteenth and Lombard streets, Philadelphia, \$50,000. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, University of Pennsylvania, Thirty-fourth and Spruce streets, Philadelphia. Brick, stone, steel, 3 stories. Preliminary plans in progress.

Store and Apartment (alts. and add.), 214 South Forty-second street, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, M. A. Maloney, on premises. General alterations and additions. Plans in progress.

Garage, rear of 2036-38 Fitzwater street, Philadelphia. Architects, Architectural Service Co., 1709 Sansom street, Philadelphia. Owner, J. Crawford, on premises. Brick, steel, concrete, 2 stories and basement, 40x48 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash, hollow metal skylights. Preliminary plans in progress.

Church (superstructure), Wyoming avenue near A street, Philadelphia. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Wyoming Avenue Baptist Church, on premises. Stone, cut stone, steel, 1 story, 76x58 feet. Architects ready for bids. Plans completed.

Store and Apartment (alts. and add.), 314 South Fifty-second street, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, Dr. Chandler, care of architect. General alterations, 3 stories, 30x23 feet, Spanish tile roof, hardwood floors, hot water heat, electric light, tile and marble work, ornamental iron work. Plans in progress.

Residences, St. David's, Pa. Architects, De Armond, Ashmeade & Bickley, 20 South Fifteenth street, Philadelphia. Owner, H. F. Boyce, Wayne, Pa. Stone, 2½ stories, 30x40 feet, garage, 1 story, 22x24 feet, shingle roof, hardwood floors, vapor heat, electric light, tile work. Architect will build.

Residence, Northwest Corner Rhawn and Rowland avenue, Philadelphia, \$11,000. Architect, Samuel D. Milner, 1117 Foulkrod street, Philadelphia. Owner, George Stewart, 8021 Frankford avenue, Philadelphia. Concrete block, 3 stories, 41x27 feet, 1 story, 12x5 feet, hardwood and pine floors, hot water heat, electric light, tile work. Architect will build.

Stores (5), Apartments (7), Southwest Corner Twentieth and Green streets, Philadelphia. Architects, The Penwood Co., 131 North Fifteenth street, Philadelphia. Owner, Herman Rogal, Twenty-first and Mt. Vernon streets, Philadelphia. Brick, steel, 4 stories and basement, 20x107 feet, slag roof, oak and pine and maple floors, vapor heat, electric light, metal lath, tile work, ornamental iron work. Owner taking bids due as soon as possible.

Church (superstructure), Wyoming avenue, near A street, Philadelphia. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Wyoming Avenue Baptist Church, on premises. Stone, cut stone, steel, 1 story, 78x58 feet. Architects taking bids due April 13th, 3 P. M.

Store and Apartment, Southeast Corner Fifteenth and Spruce streets, Philadelphia. Architects, Neubauer & Supowitz, 1524 Chestnut street, Philadelphia. Owner, Gladys Hindley, 1524 Chestnut street, Philadelphia. Brick, cut stone, steel, 4 stories, slag roof, oak and pine floors, iron work. Architects taking bids due as soon as possible.

Pennsylvania Building (alts. to first floor), Northwest Corner Fifteenth and Chestnut streets. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Lessee, Southwark National Bank, 610 South Second street, Philadelphia. Granite, cement paving, carpentry and mill work, stair work, iron work, plastering, structural steel, painting and glazing, tile work, metal partitions, hardware, bronze work, elevator doors, StSedman naturalized rubber floor, metal lath. Architect taking bids due April 10th, 2 P. M.

Residence, Chestnut Hill, Pa. Architect, Robert Rodes McGoodwin, 1600 Walnut street, Philadelphia. Owner, Dr. George Woodward, Mt. Airy, Pa. Architect taking bids.

Residences (19), Ogontz, Andrews and Middleton streets, \$171,000. Architect, private plans. Owner, J. J. Kelly, 6727 North Broad street, Oak Lane, Philadelphia. Brick, 2 stories, 16x56 feet and 16x36 feet, 12x20 feet, slag roof, oak and pine floors, hot water heat, electric light. Owner will build.

Residence and Store (1), Residence (1), Fifth and Duncannon avenue, \$26,000. Architect, private plans. Owner, William H. Ashton, 5302 North Fifth street, Philadelphia. Brick, 2 stories, 32x59 feet and 20x59 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (32), Rockland, Loudon and D streets, Philadelphia, \$116,000. Architect, private plans. Owner, Frank Kiely, 7032 Greene street, Philadelphia. Brick, 2 stories, (2) 16x50 feet, (30) 15x28 feet, 12x10 feet, hot water heat, electric light. Owner will build.

Residences (12), Manheim, Morris and McKean avenue, Philadelphia, \$63,000. Architect, private plans. Owners, Manheim Const. Co., 5405 Walnut street, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residence (1), Stenton avenue and Wyncote avenue, Philadelphia, \$12,000. **Residence and Store**, Northwest Corner Sixty-fifth and

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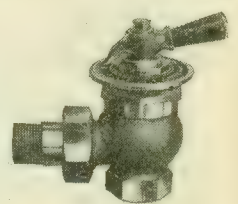
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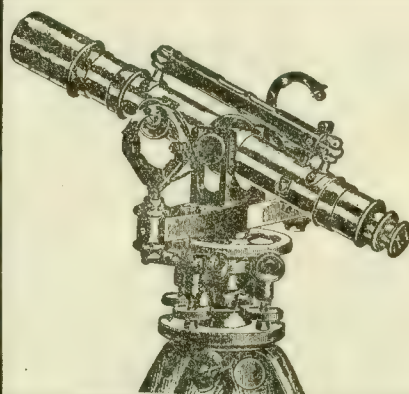


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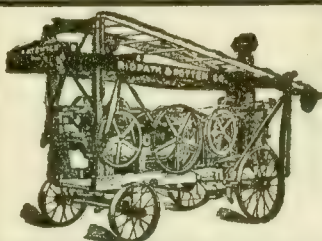
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Wyncote avenue, \$8,000. Owners, John W. Mortimer, 3024 E street, Philadelphia. Brick, 2 stories, (1) 30x60x15 feet, (1) 20x50 feet, 10x15 feet, slag roof, hardwood and pine floors, electric light. Owner will build.

Garage, 5304 Lancaster avenue, Philadelphia, \$30,000. Architect, private plans. Owner, Samuel L. Godet, 5040 North Eighth street, Philadelphia. Brick, 2 stories, 40x291 feet, slag roof, cement floors, steel sash, steam heat, electric light. Owner will build.

Residences (22), South side Conlyn street, West of Ogontz avenue, \$9,000 each. Architect, private plans. Owner, Peter Miller; 6735 North Carlisle street, Philadelphia. Brick, 2 stories, 16x30 feet, 13x16 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (26), Sixteenth and Grange avenue, Philadelphia, \$240,000. Architect, private plans. Owner, John Tucker, 4739 North Eighth street, Philadelphia. Brick, (2) 3 stories, 16x51 feet, (24) 16x33 feet, 13x18 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Residences and Garages (3), West side McCallum, North of Mt. Pleasant avenue, Philadelphia, \$13,000 each. Owner, Ray L. J. Riling, 1425 West Venango street, Philadelphia. Stone, 3 stories, 32x34 feet, slate roof, hardwood, pine and cement floors, hot water heat, electric light. Owner will build.

Residences (8), West side Hegerman street, North of Benner, \$32,500 total. Architect, private plans. Owner, Harry Nieman, 1135 Shackamaxon street, Philadelphia. Brick, 2 stories, (1) 16x45 feet, (7) 15x37 feet, slag roof, hot water heat, electric light, pine floors. Owner will build.

Residence, Northwest Corner Henry and Coulter streets, Philadelphia, \$17,000. Architect, Edward T. Hoffman, 315 South Fifteenth street, Philadelphia. Owner, John B. Kelly, 2313 Walnut street, Philadelphia. Brick, 3 stories, 42x29 feet, 2 stories, 20x24 feet, and 1 story, 17x7 feet, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Residences (10), South side Courtland street, West of Fourth street, \$35,500 total. Architect, private plans. Owner, Harry J. Gelsman, 332 East Roosevelt Boulevard, Philadelphia. Brick, 2 stories, 16x30 feet, slag roof, hot water heat, electric light. Owner will build.

Residences (6), North side Robbins avenue, East of Newtown avenue, \$5,900 each. Architect, private plans. Owner, R. D. Worthington, Cheltenham, Pa. Frame, 2 stories, 16x33

feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (84), 6300-82 and 6301-83 Ditman street, \$4,500 each. Architect, private plans. Owner, J. Charles Yundt, 301 Tabor Road, Philadelphia. Brick, 2 stories, 14x37 feet and 14x28 feet, 11x9 feet, slag roof, hot water heat, electric light. Owner will build.

Residences (12), Oregon avenue, West of Fifth street, \$59,500. Architect, private plans. Owners, Babis & Bender, 201 Shubert Building, Philadelphia. Brick, 2 stories, 15x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residences (6), Flamingo street, West of Ridge avenue, \$6,000. Owners, G. L. and J. K. Callahan, 542 Fairthorne avenue, Philadelphia. Brick and frame, 2 stories, 16x15 feet, 20x16 feet, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (10), West side Martin's Mill Road, North of Montour street, \$5,000 each. Architect, private plans. Owner, Hugh A. Hamilton, Greene and Cheltenham avenue, Philadelphia. Brick, 2 stories, 24x21 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Clievedent Park Comfort Station, Johnson and Musgrave street. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, City of Philadelphia, Bureau of City Property, 216 City Hall. Low bidders: D. Lutz & Co., Twenty-third and Chestnut streets, Philadelphia, \$3,875; Mitchell Brothers, 2125 Race street, Philadelphia, \$4,068. Electric, Mr. Beck, care of owner, \$120. Heating, L. J. Sommer, 2436 Brown street, Philadelphia, \$1,053. Plumbing, F. G. Wackenhut, 2416 Frankford avenue, Philadelphia, \$960.

Comfort Station, National Cemetery, Haines and Limekiln Pike. Owners, United States Government, Comd. Officer, Phila. Q. M., Twenty-first and Oregon. Low bidders: Conneen Const. Co., 2315 Walnut street, \$2,442; Suburban Const. Co., Moorestown, N. J., \$2,450.

New Club House, Southeast corner Darien and Locust streets, Philadelphia. Architect, Frank E. Hahn, Seventh and Chestnut streets, Philadelphia. Owner, Philadelphia Labor Institute, on premises. Brick, cut stone, 3 stories and basement, 128x28 feet, slag roof, maple floors, cement floors, metal lath, tile and marble work, rolled steel sash, tin lined doors, bond, floor hardener iron stairs, ornamental plastering, dampproofing, terra cotta coping, cold water painting. Architect taking bids due April 13th. (Specification report).

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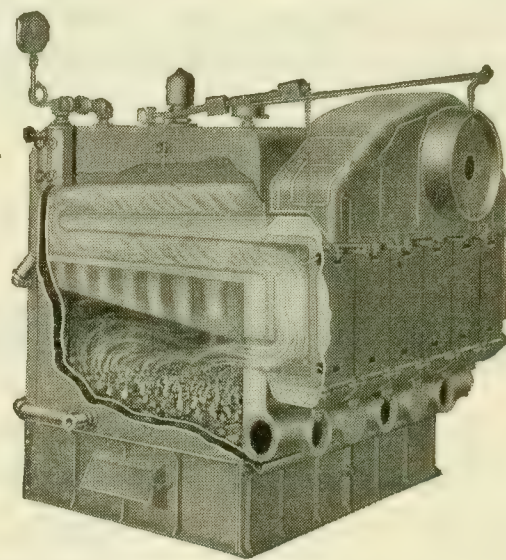
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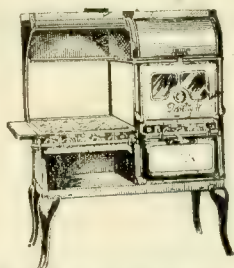
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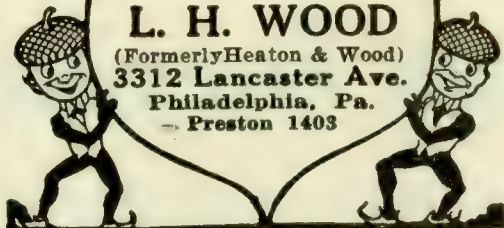
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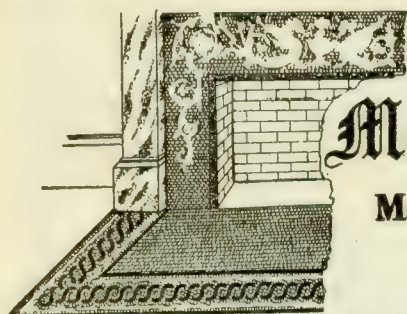
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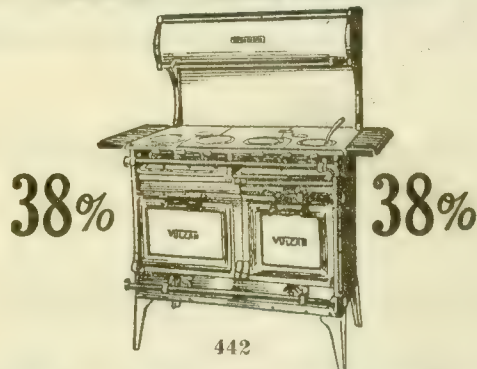
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Garage, 1108-12 Sigel street, Philadelphia, \$6,800. Architect, private plans. Owner, A. Brusco, 1830 South Eleventh street, Philadelphia. Brick, 1 story, 50x48 feet, slag roof, cement floors, electric work. Contract awarded to Joseph Guiliano, 1723 Jackson street, Philadelphia.

Residence, West side Seventy-ninth street, South of Lyons avenue, Philadelphia, \$5,000. Architect, private plans. Owner, James Courduff, Jr., 7008 Lyons avenue, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, hardwood and pine floors, electric lighting. Contract awarded to A. Henning, Norristown, Pa.

Garage, 885 North Forty-first street (rear), Philadelphia, \$3,900. Architect, private plans. Owner, Thomas H. McCaffrey, on premises. Brick, 1 story, 25x18 feet and 18x25 feet, slag roof, cement floors. Contract awarded to W. P. Cameron Eng. Co., Witherspoon Building, Philadelphia.

Residence and Store (alts.), 4847 Walnut street, Philadelphia, \$2,400. Architect, private plans. Owner, Edith S. Lebegern. General alterations. Contract awarded to Tallman-Anderson Co., 20 South Fifteenth street.

Apartment (alts.), 1425 Girard avenue, Philadelphia, \$2,000. Architect, private plans. Owner, Patrick J. McShea, Southwest Corner Nineteenth and Parrish streets, Philadelphia. General alterations. Contract awarded to Paul Brosz, 2511 West Huntingdon street, Philadelphia.

Service Station and Stores, 3613-21 Walnut street, Philadelphia. Owners, Willard Storage Batteries Co., on premises. Architects, W. H. Gravell and A. W. Hall, Otis Building, Philadelphia. Cut stone, brick, steel, concrete, 1 story, 100x200 feet, slag roof, cement floors, painting and glazing, plumbing, steam heat, electric light, tile and marble work, metal lath, rolled steel sash, ornamental iron work, wrought iron pipe. Contract awarded to W. R. Graham, 3649 Filbert street, Philadelphia.

Completion of All Work of the Exterior, New Garage and Alts. to Rectory, Northeast Corner Fifty-sixth and Cedar avenue, Philadelphia. Architect, H. D. Dagit & Son, 34 South Seventeenth street, Philadelphia. Owners, Church of Transfiguration of Our Lord, Rev. D. J. McGettigan, on premises. Stone, 1 story, 23x25 feet, slag roof, cement floors, electric light (heating reserved), bond, ce-

ment work, granite work, Indiana limestone, cut stone. Contract awarded F. V. Warren Co., 1913 Arch street, Philadelphia.

Bank Building, Tenth above Chestnut street, Philadelphia. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owners, Federal Reserve, 923 Chestnut street, Philadelphia. Brick, reinforced concrete, cut stone, granite, steel, 5 stories and basement, asphalt asbestos roof, cement and rubber tile floors, plumbing, shoring, waterproofing, iron stairs, bond, hollow metal doors, kalamein dash, metal lath, tile and marble work, elevator doors, ornamental bronze, steel rolling motor operating doors, acoustical treatment, Byers or Reading wrought iron pipe. Contract awarded J. Myers Sons Co., Witherspoon Building, Philadelphia.

Office Building and Stores, Southeast Corner Eighth and Chestnut streets, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owner, Harry H. Bogash, Bankers' Trust Building, Philadelphia. Steel, stone, brick, 4 stories and basement, 22x96 feet, slag roof, maple floors, steam heat, electric light, metal lath, tile and marble work, hollow metal skylights, fire and kalamein doors, store fixtures, metal bulks, bond. Work started. Contract awarded Daniel Josephson, 5405 Walnut street, Philadelphia.

Warehouse (alts.), Northwest Corner Franklin and Poplar streets, Philadelphia. Architect, Fred N. Greisler, 1035 Walnut street, Philadelphia. Owners, H. Sachs Co., on premises. Brick, 3 stories, 40x110 feet, composition and pine floors, electric elevators, carpentry, composition, stone work, rolled steel sash, rolling steel doors, metal bulks, iron work, stair work, tile work, steam heat, electric light. Contract awarded Philip Savar, 718 Snyder avenue, Philadelphia.

Residence and Garage, McCallum and Elbow Lane, St. Martin's, Pa. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, Dr. George Woodward, Mt. Airy, Pa. Brick, cut stone, limestone, 2½ stories, 78x71 feet, garage, 18x18 feet, slate roof, oak floors, tile and marble work, bond, waterproofing, ornamental iron work, flagstone. Contract awarded George S. Roth, 230 East Graver's Lane, Philadelphia.

Brick Auxiliary Boiler House, Twenty-first and Oregon avenue, Philadelphia. Architect, private plans. Owners, War Department, Q.



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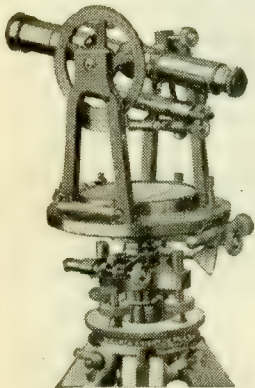
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M. Dept., Twenty-first and Oregon avenue.
Contract awarded Starr & Wilcox, Atlantic
Building, Philadelphia, \$14,203.56, but not yet
signed.

Residences (2), Cliveden street, West of
Wissahickon avenue, \$50,000. Architect, pri-
vate plans. Owner, John A. Seeds, 1028 West
Upsal street, Philadelphia. Stone, 3 stories,
53x31 feet and 51x32 feet, 15x9 feet, slate
roof, hardwood and pine floors, hot water
heat, electric light, tile work. Contract award-
ed to Ralph Borthwick, 6511 North Wood-
stock street.

Ice-Manufacturing Plant and Office, West
side Hegerman street, South of Hellerman
street. Owners, Kensington Hygeia Ice Co.,
Trenton and Huntingdon streets. Brick, 1
story, 16x28 feet, 94x46 feet, slag roof, steel
sash, cement work, electric work. Contract
awarded to George Kessler Cont. Co., 1733
North Marvine street.

Residence, West side Second street, South
of Cheltenham avenue, Philadelphia, \$7,500.
Architect, private plans. Owner, Charles
Diehl, 115 Wentz street, Philadelphia. Frame,
2 stories, 36x24 feet, shingle roof, hardwood
and pine floors, hot air heat, electric light,
tile work. Contract awarded to J. R. Schaeffer,
3731 North Seventh street, Philadelphia.

Residence, 114 West Luray street, Phila-
delphia, \$5,500. Architect, private plans. Own-
er, J. Mastearna, 447 Caskey street, Philadel-
phia. Brick, 2 stories, 15x46 feet, slag roof,
hardwood and pine floors, hot water heat, elec-
tric light, tile work. Contract awarded to
Louis Braening, Jr., Fairhill and Cheltenham
avenue.

Garage, 1517-33 West Clearfield street, Phila-
delphia, \$40,000. Architect, private plans.
Owner, J. N. Lecomowitz, Atlantic City, N.
J. Brick, 1 story, 135x188 feet, slag roof, ce-
ment floors. Contract awarded to Jacob Shenk-
man, 607 Stephen Girard Building.

Workshop, 1706 Ranstead street, Philadel-
phia, \$5,000. Architect, private plans. Own-
ers, Footer's Dye Works, Cumberland, Md.
Brick, 1 story, 18x27 feet, slag roof, electric
work, pine floors. Contract awarded to Smith-
Hardican Co., 1809 Callowhill street.

Coal Pockets, Southeast Corner York Road
and Butler street, Philadelphia, \$12,500. Ar-
chitect, private plans. Owner, Joseph Welsh,
on premises. Reinforced concrete. Contract
awarded to Specialty Eng. Co., Allegheny and
Trenton avenues.

Residence, North side Hoffnagle street,
West of Castor avenue, \$5,200. Architect, pri-
vate plans. Owner, J. Cassey, 1223 Mellon
street, Philadelphia. Frame, 1 story, 24x38
feet, shingle roof, hardwood and pine floors.

Contract awarded to J. Hanser, Afton street,
Fox Chase, Philadelphia.

Garage, 5038-42 Westminster avenue, Phila-
delphia, \$9,000. Architect, private plans. Own-
er, H. L. Manning, 5621 Cedar avenue, Phila-
delphia. Brick, 1 story, 48x175 feet, slag
roof, cement floors, electric work. Contract
awarded to J. H. Hutt, 5919 Spruce street,
Philadelphia.

Residence, East side Torresdale avenue,
South of Convent avenue, \$6,500. Architect,
private plans. Owner, John Mayer, 1728 West
Allegheny avenue, Philadelphia. Frame, 2
stories, 24x26 feet, shingle roof, hardwood and
pine floors, hot water heat, electric light. Con-
tract awarded to P. E. Goodnow, Fox Chase,
Philadelphia.

Residence, West side Montour street, South
of Faunce street, Philadelphia, \$4,500. Archi-
tect, private plans. Owner, Charles Horner,
927 Martin's Mill Road, Philadelphia. Frame,
2 stories, 24x36 feet, shingle roof, hot air
heat, electric work. Contract awarded to Bet-
zel Brothers, 7312 Bingham street, Philadel-
phia.

Residence, North side Harrison street, West
of Castor avenue, \$9,200. Architect, private
plans. Owner, Edward F. McPeak, 2024 Frank-
ford avenue, Philadelphia. Brick, 3 stories,
35x26 feet, hardwood and pine floors, hot wa-
ter heat, electric light, tile work. Contract
awarded to Joseph P. McDevitt, 1001 Pratt
street, Philadelphia.

Residence, South side Rhawn street, North
of Craig street, \$7,000. Architect, private
plans. Owner, C. Vandolo, Holmesburg, Phila-
delphia. Brick, 2 stories, 16x42 feet, slag roof,
hardwood and pine floors, hot water heat, elec-
tric light, tile work. Contract awarded to C.
Day, Holmesburg, Philadelphia.

Residence and Office (alts. and add.), North-
west Corner Frankford and Pike street,
\$6,700. Architect, private plans. Owner, G.
Frank Senderling, Frankford avenue and
Buckius street. Brick, 1 story add., 27x13
feet, general alterations. Contract awarded to
J. A. Cunningham, Byberry road, Somerton,
Philadelphia.

Residence, 5326 Rising Sun avenue, Phila-
delphia, \$4,600. Architect, private plans. Own-
er, William R. Buzby, 5316 Rising Sun ave-
nue, Philadelphia. Brick, 1 story, 96x21 feet,
slag roof, cement floors, electric work. Con-
tract awarded to Theo. W. Stone, 5422 West-
ford Road, Philadelphia.

Store and Storage (alts.), 2643 Germantown
avenue, \$3,600. Architect, private plans. Own-
er, Mrs. Mollie Wayne, 114 Hansbury street,
Philadelphia. General alterations. Contract
awarded to H. M. Irwin, 1613 Ranstead street,
Philadelphia.

Residence and Office (add.), 2713 North
Eleventh street, Philadelphia, \$3,000. Archi-
tect, private plans. Owner, John A. Nagel,
Jr., 2715 North Eleventh street, Philadel-
phia. Brick, 3 stories add., 14x9 feet. Con-
tract awarded to H. P. Werner, 3245 Ger-
mantown avenue, Philadelphia.

Store and Laundry (alts. and add.), 1615
Oregon avenue, \$2,500. Architect, private
plans. Owner, H. F. Sing, on premises. Brick,
1 story add., 16x10 feet, general alterations.
Contract awarded to M. Marsico, 2504 South
Thirteenth street, Philadelphia.

Residence (add.), 5421 North Second street,
Philadelphia, \$2,000. Architect, private plans.
Owner, George H. Hollingsworth, on prem-
ises. Brick, 2 stories add., 16x15 feet 9 inches.
Contract awarded to V. C. Turner, 5712 North
Fourth street, Philadelphia.

Residence, South side Emerson street, West
of Castor Road, Philadelphia, \$5,200. Archi-
tect, private plans. Owner, J. Stephenson,
3425 Dillman street, Philadelphia. Frame, 1
story, 24x38 feet, shingle roof, hardwood and
pine floors, electric light. Contract awarded

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Garage (alts. and add.), 804 North Twenty-fourth street, Philadelphia, \$4,800. Architect, private plans. Owner, Bert Betz, on premises. Brick, 1 story, 30x51 feet, second story, 47x20 feet, general alterations. Contract awarded to H. D. Mecker, 917 North Nineteenth street, Philadelphia.

Residence, West side Torresdale avenue, North of Linden avenue, \$4,000. Architect, private plans. Owner, H. Totten, Hawthorne street, Frankford, Philadelphia. Frame and stucco, 2 stories, 22x24 feet, electric light, pine floors. Contract awarded to A. W. J. Williams, 3011 Linden avenue, Philadelphia.

Residence (add.), 1701 Harrison street, Philadelphia, \$3,000. Architect, private plans. Owner, Dr. Thomas C. Ross, on premises. Brick, 1 story, 18x20 feet, slag roof, pine floors. Contract awarded to Wintz Brothers, 1618 Sellers street, Philadelphia.

Garage and Shop (alts.), 2014-16 Chancellor street, Philadelphia, \$2,500. Architect, private plans. Owner, Anne W. Penfield, 1524 Chestnut street, Philadelphia. General alterations. Contract awarded to James S. Talley, 1733 Chancellor street.

Building (alts.), Southwest Corner Eighth and Arch streets, Philadelphia, \$2,000. Architect, private plans. Owner, Dr. Shankin, Northeast Corner Eighth and Arch streets, Philadelphia. General alterations. Contract awarded to S. Yellin & Son, 3125 Montgomery avenue, Philadelphia.

Store and Residence (add.), 8400 Eastwick avenue, Philadelphia, \$3,000. Architect, private plans. Owner, Harry Gobin, 1635 South Fifty-ninth street, Philadelphia. Brick, 1 story add., 15 feet 6 inches x 20 feet, slag roof, pine floors. Contract awarded to Charles S. Barnett, 1633 South Fifty-ninth street, Philadelphia.

PENNSYLVANIA Construction News

Meeting House (alts.), Swarthmore, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Friends' Meeting House, Swarthmore, Pa. Concrete and cement work, bond, stone work, brick work, cut stone, plastering, iron work, carpentry and mill work, plumbing (alts.), painting and glazing, composition floors. Architects taking bids due April 10th.

Residences (12), Morton, Delaware County, Pa. Architect, private plans. Owner, Donald J. Dugan, Land Title Building, Philadelphia. Concrete block, frame and stucco, 1½ stories, 26x32 feet, 28x40 feet, shingle roof, pine floors, hot air and hot water heat, electric light. Owner will build and is taking sub-bids.

Church and Sunday School, Milton, Pa. Architects, J. C. Fulton & Son, Thompson-Ruby Building, Uniontown, Pa. Owners, Trinity Lutheran Church, A. H. Yerg, Chairman Building Committee, 240 Vine street, Milton, Pa. Brick and tile, 2 stories and basement, 70x140 feet, electric lighting. Owners taking bids due April 21st.

Hotel, Hanover, Pa., \$350,000. Architect, W. L. Stoddart, 50 East Forty-first street, New York. Owners, Community Hotel Co. of Hanover, George D. Hopkins, president, Chamber of Commerce, Hanover, Pa. Brick, stone, steel, 6 stories, 57x140 feet, slag roof, electric light, steam heat, tile work. Will contain 7 stores, 76 guest rooms and banquet hall. Plans in progress.

Residence and Garage, Wynnewood, Pa. Ar-

Branch Sewers, Philadelphia. Owners, Department of Public Works, Bureau of Engineering, Philadelphia. Contracts awarded: Boyer to Montana street to Vernon road, J. J. McHugh, 1617 Race street, Philadelphia, \$17,592. Chester avenue, Fifty-fifth to Sixty-seventh street, Philadelphia, Higgins & Reilly, 324 Stanwood street, Philadelphia, \$8,642.15. Crittenden street, et al., J. Lombardi, Lincoln Building, Philadelphia, \$9,660. Ellet street, et al., A. De Sandro & Son, 3906 North Fifth street, \$24,887. Haworth street, A. Botatinous, care of owner, \$4,811.30. Gay street, et al., J. J. McHugh, 1617 Race street, \$6,704. Kingsley street, et al., Higgins & Reilly, 324 Stanwood street, Philadelphia, \$12,437. Mifflin street, et al., Pacifico Ventresco, care of owner, \$6,146.60. Pine street, William McIntyre, care of owner, \$4,746.04. Seventh street, et al., Fred T. Buckius, Jr., Kensington and Deal street, Philadelphia, \$9,680. Tulip street, McCool Const. Co., Broad and Passyunk, \$2,091.85. Wadsworth street, A. J. Henderson, care of owner, \$8,945. Wagner avenue, et al., H. A. Hamilton, Germantown and Cheltenham avenues, Philadelphia, \$4,887.50. Wooderest avenue, et al., Fred T. Buckius, Kensington and Deal street, Philadelphia, \$13,425. Weikel street, et al., V. S. Campelini, care of owner, \$2,220.71. Cheltenham avenue, et al., F. T. Buckius, Kensington and Deal street, Philadelphia, \$40,968. Erie avenue, et al., F. T. Buckius, Jr., Kensington and Deal street, Philadelphia, \$18,772.50. Packer avenue, et al., J. Lombardi, Lincoln Building, \$305,283. Summerdale avenue, et al., J. Lombardi, Lincoln Building, \$46,430. Removal of old sewers and reconstruction of new sewers in Thirteenth street, et al., Perna Eng. & Const. Co., 753 South Tenth street, Philadelphia, \$35,406.20.

chitects, Charles Barton Keen and Wallace, 338 South Smedley street, Philadelphia. Owner, Herbert K. Ball, Wynnewood, Pa. Revised plans in progress.

Store and Apartment, Bethlehem, Pa. Architect, C. F. Spangenberg, Bethlehem, Pa. Owner, name withheld. Brick, steel, 3 stories, 40x60 feet, slag roof, pine floors, plate

glass, copper work, hot water heat, electric light. Plans in progress.

Junior Seminary, Overbrook, Pa. Architect, Paul A. Monaghan, 1713 Sansom street, Philadelphia. Owners, Seminary St. Charles of

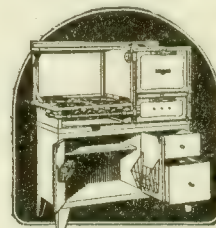
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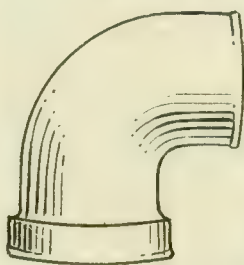
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Borromeo, care of Monsignor E. J. Fitzgerald, on premises. Working plans in progress.

Residence and Garage, Jenkintown, Pa. Architect, L. H. Goettelman, Otis Building, Philadelphia. Owner, C. S. White, care of architect. Frame, brick, $2\frac{1}{2}$ stories, 45x33 feet, 17 feet 6 inches x 6 feet, garage, 1 story, 22x10 feet, hot air heat, electric light, tile work, asbestos shingle roof, hardwood and cement floors. Plans in progress.

Theatre, Store and Apartment, Willow Grove, Pa. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owners, Rothwell Co., care of E. Rothwell, Willow Grove, Pa. Brick, 2 stories, 108x200 feet, steam heat, electric light, tile work, slag roof, hardwood floors, metal bulks. Plans in progress.

Garage, Bangor, Pa. Architect, C. F. Spangenberg, Bethlehem, Pa. Owner, Stewart Teel, Bangor, Pa. Brick, steel, 1 story, 60x70 feet, slag roof, reinforced concrete floors, steam heat, electric light. Plans in progress.

Bungalow, Royersford, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, Lester Fryer, 305 Summer street, Royersford, Pa. Brick, $1\frac{1}{2}$ stories, 32x28 feet, asphalt roof, yellow pine floors, terra cotta flues, bond, Morgan doors (heating, plumbing, electric work reserved). Plans in progress.

Club House, Royersford, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owners, Spring Ford Country Club, Dr. E. M. Vaughan, Chairman Building Committee, Royersford, Pa. Frame, $2\frac{1}{2}$ stories, 32x40 feet, shingle roof, oak and pine floors, terra cotta flues, bond, Morgan doors (heating, plumbing and electric work reserved). Plans in progress. Owner will take bids.

Church (basement), Ardmore, Pa. Architect, B. Rush Stevens, 1827 Arch street, Philadelphia. Owners, First Baptist Church, Ardmore, Pa. Stone, 1 story, 57x57 feet, composition roof, cement floors, cork insulation, vapor heat, electric light. Plans in progress. Architect will be ready for bids in one week.

Residence (alts.), Huntingdon, Pa. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, Judge B. Orlady, Huntingdon, Pa. Brick, 3 stories, interior alterations, oak paneling, peak wood floors, plastering, ornamental grills, heating alterations, electric work. Owner taking sub-bids.

Auditorium, Allentown, Pa. Architect, C. F. Spangenberg, Bethlehem, Pa. Owners, Menonite Congregation, J. Hartman, Allentown, Pa. Steel, 1 story, 80x120 feet. Owners will take sub-bids.

High School, Mt. Joy, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owners, Board of Education, E. W. Lewcomer, secretary, Mt. Joy, Pa. Brick, steel, 2 stories and basement. Plans completed, ready for bids, will be advertised in a few days.

Residence, East Lansdowne, Pa. Architect, Jesse T. Hoekstra, 1713 Sansom street, Philadelphia. Owner, A. R. Hackersperger, care of architect. Frame, $2\frac{1}{2}$ stories, 26x38 feet, asphalt shingle roof, pine floors, hot water heat, electric light, tile work, cement work. Ready for general bids.

Warehouse, Bethlehem, Pa. Architect, H. J. Weigner, Bethlehem Trust Building, Bethlehem. Owner, John F. Stefko, Washington and Newton avenue, Bethlehem. Brick, steel, 1 story, 100x50 feet, slag roof, concrete floors, hollow tile, waterproofing, steam heat, electric light, steel sash, floor hardener. Owner taking sub-bids.

Factory, Allentown, Pa. Architect, David Levy, 949 Hamilton street, Allentown, Pa. Owner, name withheld. Reinforced concrete, 2 stories, 66x107 feet, slag roof, wood floors, elevators, safety treads, sprinkler system, steel sash, vapor heat, electric light. Plans

in progress. Architect will take sub-bids in one week.

Residence, Mount Carmel, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown. Owner, Oliver Albertini, Mt. Carmel, Pa. Brick and block, $2\frac{1}{2}$ stories, 50x40 feet, tile roof, hardwood floors, electric light, tile work. Owner will build.

Residence, Store and Apartment (alts. and add.), Mt. Carmel, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown. Owner, Neal Conaghan, 26 North Oak street, Mt. Carmel, Pa. Cement block, stucco, 1 story add., 25x50 feet, built-up roof, pine floors, plate glass, copper work, electric work. Owner will build.

Warehouse, Lehigh, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown. Owner, George W. Freeby, Lehigh, Pa. Frame, 2 stories, 25x50 feet, slag roof, plank and maple floors, dampproofing, elevators, electric work. Owner will take sub-bids.

Apartment and Office Building, Norristown, Pa. Architect, H. Gordon McMurtrie, 1012 Walnut street, Philadelphia. Owner, name withheld. Brick, 3 stories, 28x90 feet, slate roof, hardwood and linoleum floors, possible oil burning equipment, steam heat, electric light, tile work. Plans in progress. Will be ready for bids in 10 days.

Apartment House, Ridley Park, Pa. Architect, Frank C. Watson, Wallingford, Pa. Owner, name withheld, care of architect. Stone, stucco, 3 stories, 20x60 feet, heating not decided, electric light, asphalt shingle roof, pine floors. Owner will take sub-bids.

Store and Residence, Essington, Pa. Architect, F. C. Watson, Wallingford, Pa. Owner, name withheld. Brick, $2\frac{1}{2}$ stories, 30x45 feet, asphalt shingle roof, pine floors, hot water heat, electric light, tile work. Ready for bids in one week.

Lodge Building, Ridge Road and Market, Linwood, Delaware County, Pa., \$50,000. Architect, C. W. Brazier, Chester, Pa. Owners, Farmers' and Mechanics, No. 185, I. O. O. F., Linwood, Pa. Brick, stone, 2 stories and basement, 30x90 feet, slag roof, pine and maple floors, plumbing, steam heat, electric light, tile work. Plans in progress. Architect will be ready for bids in one week.

Junior and Senior High School, Wayne, Pa. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, School District, Radnor Township, E. E. Trout, Radnor, Pa. Revised plans in progress. Will be ready for bids in 10 days.

Residence, Cynwyd, Pa. Architect, John J. Carroll, 1619 Chestnut street, Philadelphia. Owner, care of architect. Brick, stone, $2\frac{1}{2}$ stories, 47x27 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Owner will build.

Store (alts.), Pottsville, Pa. Architect, David Levy, 949 Hamilton street, Allentown, Pa. Owner, name withheld. Plate glass, electric work, steel work, marble work, copper work, elevator, metal ceilings, plastering, fire escape, general alterations. Plans in progress. Architect will be ready for sub-bids in ten days.

Factory, 717 North Prince street, Lancaster, Pa. Architect, J. B. Harmon, 54 North Queen street, Lancaster, Pa. Owner, H. M. Musser, 717 North Prince street, Lancaster, Pa. Reinforced concrete, 4 stories, 56x63 feet, concrete floors, steel sash. Architect taking bids due April 10th.

High School, Taylor, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Taylor School Board, William Thomas, secretary, Taylor, Pa. Semi-fireproof, 2 stories and basement, 150x123 feet, slag roof, maple floors, hollow tile, safety treads, roof ventilators, waterproofing and damp-proofing, cut stone (heating, plumbing and

electric separate), metal lath, tile work, rolled steel sash, iron stairs. Architect and owners taking bids due April 23rd.

School, Huntingdon Valley, Pa. Architects, Druckenmiller & Williams, 1537 Chestnut street, Philadelphia. Owners, Board of Education, Lower Moreland Township, Huntingdon Valley. Stone, cut stone, 2 stories and basement, 74x80 feet (plumbing, heating, electric separate), slag roof, mastic and maple floors, hollow tile, waterproofing, bond, ornamental iron work, metal lath, bluestone. Owners taking bids due April 16th.

Store and Apartment, Shamokin, Pa. Architect, William H. Lee, 1505 Race street, Philadelphia. Owner, J. J. Newberry, 287 Broadway, New York. Brick, terra cotta, 3 stories, 25x160 feet, built-up slag roof, elevators, pine floors, incinerators, plumbing, plate glass, metal bulks, hollow metal skylights, tile work, vapor heat, electric light. Architect taking bids due April 16th.

Stores (6), Apartments and Garage, Southwest Corner Fifty-sixth and Lansdowne avenue. Owners, V. Baldi, V. Peccionette and Paulson, 1432 South Ninth street, Philadelphia. Brick, steel, reinforced concrete, 3 stories and basement, 38x108 feet, garage, 2 stories, 100x114 feet, slag and gypsum roof, cement and oak floors, plumbing, shoring, ornamental iron work, metal bulks, bond, galvanized iron skylights, tile and marble work, metal lath, hot water heat, electric light, copper work, green tile roof, wrought iron pipe, cast stone. Owners taking bids due April 9th.

Residence, Drexel Park, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Russell S. Stoughton, on premises. Brick, frame and stucco, $2\frac{1}{2}$ and $1\frac{1}{2}$ stories, 41x28 feet, garage, 20x23 feet, asbestos shingle roof, pine and cement floors, plumbing, hot water heat, electric light, tile and marble work, canvas floors. Owner taking bids due April 10th.

Residence (alts.), Paoli, Pa. Architects, Maxwell Hyde, Herr Rainsford, 114 East Twenty-eighth street, New York. Owner, Arthur G. Dickinson, Paoli, Pa. Painting and glazing, carpentry and mill work, plastering, metal lath, plumbing (alts.), electric work. Architects taking bids due as soon as possible.

Building (add.), Allentown, Pa. Architect, R. E. Ochs, care of Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Lehigh Valley Poster Ad Corp., 1006 Hanover avenue, Allentown, Pa. Brick, structural steel, 1 story add., 24x130 feet, slag roof, wood and cement floors, roof ventilators, waterproofing and dampproofing, steel sash, skylights, metal lath, vapor heat, electric light. Owners taking bids due April 17th.

Library (alts. and add.), Chester, Pa. Architect, C. W. Brazier, Chester, Pa. Owners, Crozer Theological Seminary Library, Chester, Pa. General alterations, electric work, installation of new metal book stacks. Architect taking bids April 14th.

Fraternity Building, Tupper, Pa. Architect, H. Gordon McMurtrie, 1012 Walnut street, Philadelphia. Owners, Washington Hall Association, care of architect. Brick, 2 stories, 36x60 feet, warm air heat, electric light, tile work, shingle roof, pine and maple floors. Architect taking bids.

Y. M. C. A. Building, York, Pa. Architects, Thomas, Martin & Kirkpatrick, Otis Building, Philadelphia. Associate architect, Edward Leber, York, Pa. Owners, Y. M. C. A., York, Pa. Architects taking bids due April 24th.

Road Work, Pennsylvania. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa. Low bidders on work opened March 27th.

Washington County, R-268, Sec. 7, Elco, Coal Centre Boroughs, East Pike Run Township, 14,654 feet. One course reinforced con-

crete. R. H. Cunningham & Sons Co., Turtle Creek, Pa., \$221,970.30.

Jefferson County, R-358, A-3123, McCalmount Township, 8,184 feet. One course reinforced concrete. M. J. McMahon, Brookville, Pa., \$71,403.30.

Clarion County, R-214, A-3150, Madison Township, 22,205 feet. One course reinforced concrete. D. W. Challis & Sons, Inc., Sewickley, Pa., \$189,103.

Huntingdon County, R-121, 121, Orbisonia, Shade Gap Borough, Dublin, Cromwell and Shirley Townships, 49,445 feet. One course reinforced concrete. J. Lee Plummer, Inc., Johnstown, Pa., \$459,939.76.

Bedford County, R-48, Sec. 3 and 4, Cumberland Valley Township, 63,525 feet. One course reinforced concrete. M. Bennett & Sons, Indiana, Pa., \$658,057.30.

Jefferson County, R-63 and 357, A-3124 and 3126, Young and Perry Townships, 10,302 feet. One course reinforced concrete. M. J. McMahon, Brookville, Pa., \$94,890.65.

Lebanon County, A-2213 and 2212, South Lebanon Township, Heidelberg Township, 23,885 feet. One course reinforced concrete. Clyde B. John & Bro., Malvern, Pa., \$151,757.10.

Washington County, R-242, Sec. No. 1, Appli. 2897, Hopewell, Independent Townships, W. Middletown Borough, 9,658 feet. One course reinforced concrete. A. G. Rothery, Elizabeth, Pa., \$97,687.45.

Northumberland County, R-268, Sec. 5, Stockdale, Roscoe and Elco Boroughs, Allen Township, 8,490 feet. One course reinforced concrete. Blue Ridge Const. Co., Uniontown, Pa., \$80,572.10.

Blair County, R-57, Snyder Township, 1,372 feet. Grading and drainage. A. L. Anderson & Bro., Inc., Altoona, Pa., \$22,547.61.

Road Work, Pennsylvania. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa. Owners taking bids due April 18th at 10 A. M.

Fayette County, R-288, Sec. 3, Perry Township, 9,587 feet. One course reinforced concrete. Certified check, \$2,000.

McKean County, R-236, A-3143, Ceres Township, 10,302 feet. One course reinforced concrete. Certified check, \$2,000.

Mercer County, R-294, A-3355, French Creek, Mill Creek, Sandy Lake Townships, North Lebanon and Sandy Lake Boroughs, 50,542 feet. One course reinforced concrete. Certified check, \$4,000.

Monroe County, R-164, Sec. 2, Hamilton, Stroudsburg Townships, Stroudsburg Borough, 41,872 feet. One course reinforced concrete. Certified check, \$4,000.

Pike County, R-7, Sec. 2, Blooming Grove, Lackawaxen, Shohola, Dingman and Millford Townships, Millford Borough, 69,413 feet. Grading and drainage. Certified check, \$4,000.

Susquehanna County, R-174, Clifford Township, 11,167 feet. One course reinforced concrete. Certified check, \$2,000.

Tioga County, R-103, A-3370, 3308, Deerfield Township, Osceola Township, 30,401 feet. Either bituminous surface course on a concrete foundation or one course reinforced concrete. Certified check, \$4,000.

Wyoming County, R-232, 365, Falls, Tunkhannock and Overfield Townships, 50,182 feet. One course reinforced concrete. Certified check, \$4,000.

awarded E. J. Hedden Co., Finance Building, Philadelphia.

Residence (alts.), Wawa, Pa. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owner, Mrs. Florence W. Wood, care of architect. Slate roof, carpentry and mill work, plastering, painting and glazing, tile work. Contract awarded W. Edward Pierce, 328 South Juniper street, Philadelphia.

Residence and Garage, Norristown, Pa. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, Aaron L. Swartz, Jr., Norristown, Pa. Stone, 2½ stories, 27x59 feet, shingle roof, hardwood and cement floors, hot water heat, electric light, tile work. Contract awarded F. R. Heavner, Norristown, Pa.

Apartment House, Fayette street, near First avenue, Conshohocken, Pa. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owner, Harry C. Schwalbe, Conshohocken, Pa. Brick, steel, 3 stories and basement, 63x40 feet, slag roof, oak floors, dampproofing, metal lath, hollow metal sash, kalamein doors, bond, ornamental iron work. Contract now awarded to Copeland Const. Co., 1218 North Seventh street, Philadelphia.

Fire Repairs and Alts. to Stable, Gwynedd Valley, Pa., \$50,000. Architect, private plans. Owner, Rowland L. Taylor, on premises. Carpentry and mill work, plastering, cement work, shingle roof, painting and glazing, steam heating, electric light, metal lath, stable fittings. Contract awarded J. S. Cornell & Son, 1528 Cherry street, Philadelphia.

Warehouse, Bethlehem, Pa. Owners, Wall, Owen, Stambach, Eleventh and Ridge avenue, Philadelphia. Brick, glass, steel, 1 story, 90x200 feet, slag roof, planking floors, electric light (steam heat reserved), rolling steel doors. Contract awarded Behling Bush, Drexel Building, Philadelphia.

Parochial School, Croydon, Pa. Architect, Charles J. Cumminsky, 86 West Sharpnack street, Philadelphia. Owners, St. Thomas Aquinas' Parish, Rev. T. J. Nolan, Croydon, Pa. Brick, 1 story, 53x63 feet, steam heat, electric light, temporary slag roof, pine floors, first unit of school building. Contract awarded Simon J. Buckley, Trevoise, Pa.

Parish House, Lansdale, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. John's Reformed Church, Lansdale, Pa. Contract awarded to Stoneback & Nace, Quakertown, Pa.

Parish House, Allentown, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. Peter's Lutheran Church, Allentown, Pa. Brick, hollow tile, steel, 2 stories, basement and mezzanine, 79x58 feet, slate or composition roof, hardwood floors, safety treads, waterproofing and dampproofing, leaded glass, plumbing, electric work, vapor heat, metal lath. Contract awarded to Arthur P. Houser, Emaus, Pa.

PENNSYLVANIA

Contracts Awarded

Bell Telephone Building, Reading, Pa. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., Seventeenth and Parkway, Philadelphia. Reinforced concrete, steel, fireproof construction, 5 stories, 114 feet 9 inches x 79 feet 7 inches, slag roof, cement floors, hollow tile, roof ventilators, metal window frames, cut stone, ornamental iron work, iron stairs, kalamein doors, kitchen equipment, rolled steel sash skylights, tile and marble work, metal lath, electric light, steam heat, granite. Contract awarded Central Const. Co., Harrisburg, Pa.

Apartment House, Montgomery avenue, Haverford, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, R. F. Engle, Beach Haven, N. J. Stone, reinforced concrete, cut stone, limestone, steel, 4 stories and basement, 53x48 feet, wings (2) 160x33 feet, 4 inches (plumbing, heating and electric, kitchen equipment reserved), slate and slag roof, oak and linoleum floors, metal lath, tile and marble work, metal casements, rolling steel skylights, ornamental iron work, bluestone, Kerner incinerators. Contract awarded A. F. Hopeman & Co., Rochester, N. Y.

Residence, Midvale and Keystone avenue, Beverly Hills, Pa. Architect, Albert F. Schenck, Real Estate Trust Building, Philadelphia. Owner, name withheld. Hollow tile, brick, stucco, 2½ stories, 73x31 feet, slate roof, oak and pine floors, hot water heat, electric light, tile work, bond, wrought iron pipe. Contract awarded W. J. Ryder, 1725 Sansom street, Philadelphia.

Residence and Garage, No. 5, Haverford, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, name

withheld. Stone, cut stone, brick, 2½ stories, 90x40 feet (heating, plumbing, electric, weather stripping reserved), slate roof, oak and pine floors, hollow tile, ornamental iron work, tile and marble work. Contract awarded J. E. Kearney, Wynnewood road, Wynnewood, Pa.

Bank (alts. and add.), Lewisburg, Pa. Architects, Davis, 3rd, Dunlap and Barney, 1805 Walnut street, Philadelphia. Owners, Union National Bank, Lewisburg, Pa. Brick, steel, cut stone, stone, 1 story and basement, 38x34 feet, slag roof, cement and pine floors, roof ventilators, metal window guards, metal lath, waterproofing, glazed terra cotta coping, ornamental iron work, bronze work, bond, rolled steel skylights, tile and marble work. Contract awarded Albert Boyer, Northumberland, Pa.

Residence (alts. and add.), Radnor, Pa. Architects, Bissell & Sinkler, 1520 Locust street, Philadelphia. Owner, Carroll Hodge, on premises. Brick, stone, 1 story, 11x11 feet (painting and glazing, plumbing, heating, electric light reserved), asbestos shingle roof, composition floors, plastering, hardware, carpentry and mill work, structural steel, bond, cement, concrete work, metal lath. Contract awarded H. H. Burrell, 206 South Quince street, Philadelphia.

Residence, Bryn Mawr, Pa. Architect, L. H. Rush, 34 South Seventeenth street, Philadelphia. Owner, Charles David, 115 Petrie avenue, Bryn Mawr, Pa. Stone, brick, cut stone, steel, 2½ stories and basement, 58x63 feet (heating and plumbing reserved), electric light, metal lath, tile and marble work, bond, ornamental iron work, bluestone, flagstone, shingle roof, oak and pine floors. Contract

MARBLE TILE
MOSAIC and CERAMICS

Camden Tile Co.

1484 Bradley Avenue
CAMDEN, N. J.

BELL PHONE, CAMDEN 3827 W

NEW JERSEY

Construction News

Church, Cartaret, N. J. Architect, R. A. Schumann, 202 West State street, Trenton, N. J. Owners, St. Elizabeth's Roman Catholic Church, Dr. Rudolph Hudetz, Washington street, Cartaret, N. J. Stone, steel, 1 story, 42x126 feet, slate roof, composition floors, steam heat, electric light, metal lath, marble work ornamental iron work. Owners taking bids due April 15th.

Residence (type E), Brigantine Beach, N. J. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owners, Four Island Development Co., care of J. Haywood, 1201 Atlantic avenue, Atlantic City, N. J. Concrete block, stucco, 2½ stories, 30x45 feet, tile roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Hotel (alts. and add.), Oriental and Connecticut avenues, Atlantic City, N. J. Architect, J. R. Ogden, 143 South South Carolina avenue, Atlantic City. Owner, Max Dolinsky, New Jersey and Oriental avenues, Atlantic City. Brick, steel, 4 stories, 23x40 feet, 25x40 feet and 60x50 feet, slag roof, hardwood and parquet floors, steam heat, electric light, tile work. Plans in progress. Owner will build.

Bank, South Broad street, Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton. Owners, Mercer Trust Co., W. G. Howell, president, Broad and Market streets, Trenton, N. J. Stone, 1 story, 43x60 feet. Plans in progress.

Nurses' Home, Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton. Owners, St. Francis' Hospital, Sister Alcantaco, superintendent, Trenton. Fireproof, 3 stories, 100x175 feet. Plans in progress.

Theatre, Greenwood avenue, Trenton, N. J. Architect, William B. Thines, Commonwealth Building, Trenton, N. J. Owners, Hildinger Enterprises, Charles Hildinger, Arcade Building, Trenton, N. J. Fireproof, steel, 1 story, 110x66 feet, hollow tile. Owners taking bids.

Comfort Station, Ventnor, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City. Owners, City of Ventnor, City Council, Ventnor, N. J. Terra cotta, tile and marble work, plumbing. Plans in progress. Owners will be ready for bids April 13th.

Chancellor Avenue School (alts. and add.), Irvington, N. J. Architects, Stombach, Mertens, Brody, 333 North Broad street, Elizabeth, N. J. Owners, Board of Education, Irvington, N. J. Brick, reinforced concrete, steel, 2 stories and basement, 132x97 feet (plumbing, heating, electric separate), cement and maple floors, hollow tile, metal window guards, metal weather strip, shoring, waterproofing, ornamental iron work, iron stairs, bond, rolling steel skylights, rolled steel sash, tile and marble work, metal lath, aberene stone. Owners taking bids due April 16th.

Church and Sunday School, Audubon, N. J. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owners, Logan Presbyterian Church, Audubon, N. J. Stone and steel, 1½ stories, 61x57 feet, green slate roof, maple floors, plumbing, galvanized iron pipe, precast stone, ornamental iron work, bond, metal lath, electric light, steam heat, Wilson rolling blinds, "Double-Double" ventilator windows, steel pipe (National Tube Co.). Architect taking bids due April 16th.

Factory, Office and Garage, Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Freeman Electric Co., Prince and Mead streets, Trenton, N. J. Brick,

steel, factory, 5 stories, 90x80 feet, office, 3 stories, 44x82 feet, garage, 1 story, 37x32 feet, slag roof, hardwood, linoleum and concrete floors, vapor heat, electric light, metal lath, steel sash, skylights, fire doors. Architect taking bids due April 9th.

School, Bridgeton, N. J. Architect, Robert J. Reilly, 50 West Forty-first street, New York City. Owners, Church of the Immaculate Conception, Rev. F. Lanagan, on premises. Brick, steel, cut stone, 3 stories and basement, 58x86 feet, slag roof, maple floors, plumbing, architectural terra cotta, ornamental iron work, steam heat, electric light. Architect taking bids due April 9th.

Residence, 834 North Thirtieth street, Camden, N. J., \$4,500. Architect, private plans. Owner, William Townsend, 2929 Westfield avenue, Camden, N. J. Frame, 1½ stories, 24x34 feet, asphalt shingle roof, hot air heat, electric light. Owner will build.

Residences (2), 822, 828 North Thirtieth street, Camden, N. J., \$4,500 each. Architect, private plans. Owner, William Townsend, 2929 Westfield avenue, Camden, N. J. Frame, 1½ stories, 24x34 feet, asphalt shingle roof, hot air heat, electric light. Owner will build.

Residence, 1127 North Thirty-first street, Camden, N. J., \$4,500. Owner, Denis J. Carroll, 1115 Lois avenue, Camden, N. J. Frame, 1½ stories, 24x34 feet, rubberoid roof, hot air heat, electric light. Owner will build.

New Jersey

Contracts Awarded

Store and Apartment (alts. and add.), Camden, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, Goldberg Quality Drug Store, Camden, N. J. General interior alterations and addition. Contract awarded to Howard Fearn, Forty-fourth and Westfield avenue, Camden, N. J.

Church, Pitman, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owners, Pitman Presbyterian Church, Mr. Boswick, Pitman, N. J. Brick, stone, stucco, 1 story and basement, 40x70 feet, slag roof, maple floors (heating, plumbing and electric reserved), hollow tile, tile work. Contract awarded to Barnes Const. Co., 1828 Arch street, Philadelphia.

Stores (3) (alts. and add.), Virginia and Pacific avenues, Atlantic City. Architect, D. W. B. Haining, Guarantee Trust Building, Atlantic City. Owner, J. Schmerdman, Virginia and Pacific avenues, Atlantic City, N. J. Brick, steel, 2 stories, 30x20 feet, slag roof, hardwood floors, plate glass, heating extension, electric light. Contract awarded to J. Selensick, 103 Victoria avenue, Atlantic City.

Store and Residence, 2625 Westfield avenue, Camden, N. J., \$9,000. Architect, private plans. Owner, M. Gelfand, 2615 Westfield avenue, Camden, N. J. Brick, 2 stories, 20x61 feet, asphalt roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Emanuel W. Kun, Atlantic City, N. J.

Residences (12), (9) 1651-63-65-67-69-71-73-75-77 Norris street, and (3) 1294-96-98 Sheridan street, Camden, N. J., \$42,000 total. Architect, private plans. Owners, Pal & Plas Co., care of builders. Brick, 2 stories, 14 feet 3 inches x 47 feet, slag roof, hot water heat, electric light, pine floors. Contract awarded

to Costanza Brothers, 1338 Sheridan street, Camden, N. J.

Warehouse, 336 Kaighn avenue, Camden, N. J., \$2,500. Architect, private plans. Owner, William Arensbery, 408 Kaighn avenue, Camden, N. J. Block, 1 story, 30x50 feet, slag roof, cement floors, electric lighting. Contract awarded to Tony Pradzick, 1213 South Tenth street, Camden, N. J.

Miscellaneous

Construction News

Hospital Building, Charleston, S. C. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Associate architect, J. D. Newcomer, 32 Broad street, Charleston, S. C. Owners, St. Francis Xavier Infirmary and Sanitarium, Charleston, S. C. Architect taking bids on revised plans due in associate's office, 32 Broad street, Charleston, S. C., on April 28th, 2 P. M.

Sand Plant (add.), Tullytown, N. Y. Architects, William Steele & Son, 219 North Broad street, Philadelphia. Owners, Charles Warner Co., Tullytown, N. Y. Brick, steel. Plans in progress. Too early for details.

Road Work, Delaware. Owners, Delaware State Highway Department, Dover, Del. Owners taking bids due April 22nd at 2 P. M. Deposit of \$10 required. Certified check required.

Contract CN19A, Fill at Lum's Pond, 1,250 feet, 4,000 cubic yards borrow.

Contract 37D, Surfacing at Drawyers, 0.25 miles. Excavation, broken slag base course, amiesite surface course, penetration macadam surface course, wire cable, guard rail, wood shoulder curb.

Contract SC40, DuPont Road-Lincoln City, 1.00 mile. Excavation, borrow, broken slag base course, cement concrete pavement, longitudinal metal joint, Class A concrete, reinforcement, 15-inch R. C. pipe, 18-inch R. C. pipe, relaid pipe.

Statement of the Ownership, Management, Circulation, etc.

Statement of the ownership, management, circulation, etc., of The Builders' Guide, published weekly at Philadelphia, Pa., required by the Act of August 24, 1912, for April 1, 1925.

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Owners, Louis S. DeLone, Perry Building, Philadelphia; Building News Publishing Co., Perry Building, Philadelphia, Pa.

Known bondholders, mortgages and other security holders holding one per cent. or more of total amount of bonds, mortgages or other securities, none.

(Signed)

Building News Publishing Co.,

Louis S. DeLone, Business Manager.

Sworn and subscribed before me this 18th day of March, 1925.

H. A. Lang, Notary Public.

(My commission expires March 2, 1929.)

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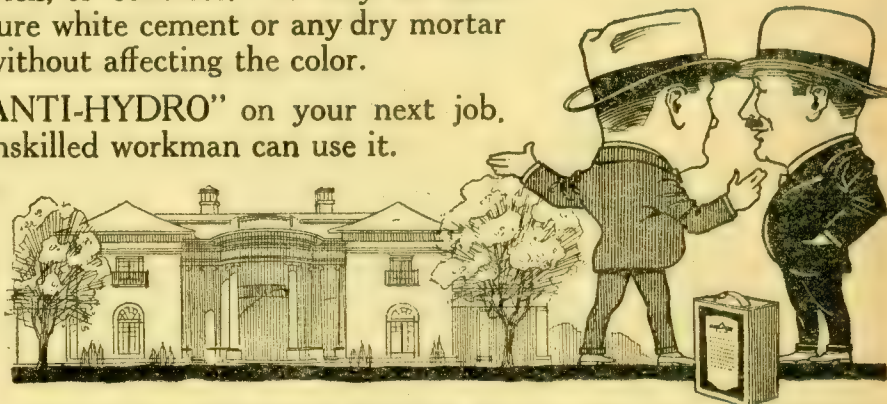
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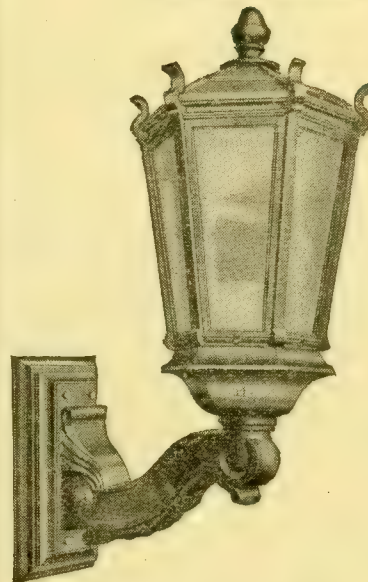
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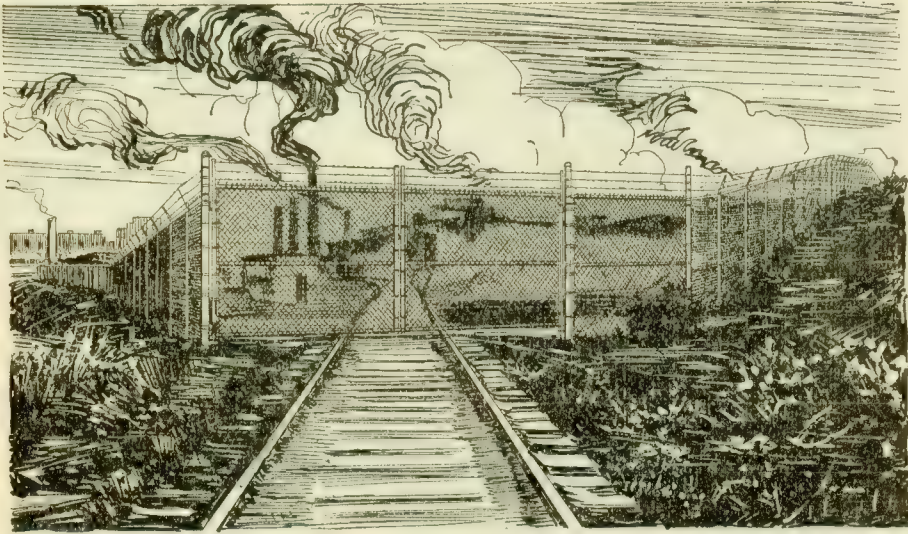
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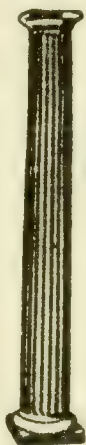
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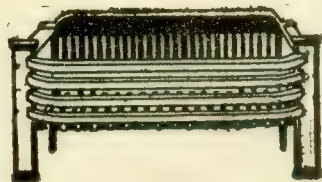
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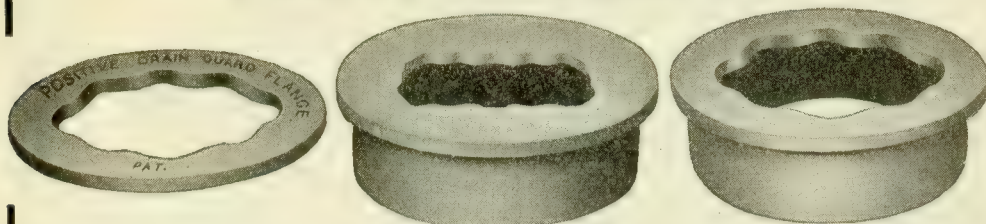
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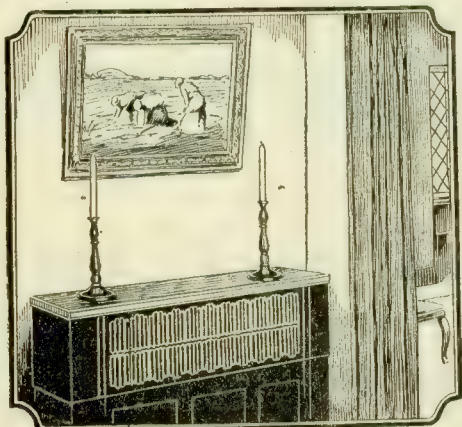
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As The Editor Sees It



Tendencies in Building Design

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Time was when "new buildings for old" proved to be merely an enticing phrase to tempt prosperous manufacturers. But great strides in lowering production costs have resulted from the planning by works engineers and consultants in building design. Some of the outstanding current developments are reviewed here.

Outlined here are some tendencies in modern factory design as seen by F. A. Fairbrother, of Albert Kahn, Incorporated, after wide experience in industrial building design generally and notably in the construction of automobile factories

IN recent years or even months, new tendencies have become apparent in the factory building situation. Granted sufficient room, both for present requirements and proper reserve for future expansion, it will be found that there has been a notable trend toward one-story buildings, occupying on the one hand, more ground, to be sure, but on the other hand, offering many and decided advantages.

Little imagination is required to picture the features favoring single-story buildings, so it should suffice to mention abundant light, ventilation, easy access, elimination of elevators and stairs, and the

corresponding favorable conditions for the use of efficient conveying systems.

It will have to be borne in mind that limiting conditions obtain in all matters of this sort. It will be found that the cost of one-story buildings is greater per square foot of available floor area than multiple-story structures. This factor must be weighed and its potency considered carefully in relation to cost of manufacture.

I believe it will be found, still granting sufficient ground area available, and with all regard for the character of the product, that small parts or relatively light manufacturing can be carried on more cheaply in multiple-story buildings, but for quantity production of large or heavy parts the single-story building will offer many advantages.

An outstanding example of the trend toward single-story buildings is seen in the recent group of single story assembly buildings being erected under our direc-

tion in various parts of the country for the Ford Motor Company. To picture this tendency more clearly it must be borne in mind that this company erected, some 10 years ago, a country-wide group of multiple-story service and assembly buildings.

Another example much to the point is the one-story addition to the Jewett plant of the Paige-Detroit Motor Car Company. This group was originally planned some five years ago and consisted of a group of multiple-story buildings with covered courts between, roofed over at the second-floor level. One of the courts and a one-story portion of one of the proposed multi-story concrete buildings was erected. Between the time of the construction of the first unit and the erection of the one-story addition noted above, the trend toward the single-story building had done its work and the multi-story grouping was abandoned. While it is possible that some multiple-story

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buildings may still be erected at this plant for special purposes, the tendency toward the single-story building is strikingly evident.

H. K. Ferguson, President, The H. K. Ferguson Company, says that on the part of the manufacturer, the trend is toward a survey of actual building necessities before going ahead. Then he lists and comments on the five phases of the problem.

IN general, the trend of industrial construction is toward a careful survey of the actual necessities of the business requiring legitimate expansion, with the fundamental problems to be settled as ranging themselves about as follows:

1. If an entirely new plant is to be considered, are there conditions in connection with the delivery of raw materials or finished product, for access to customers' markets, or labor supply, which require an inside location on an expensive property, and therefore make it advisable to build a multi-story building in order to properly distribute the high cost of the property over a large amount of floor space?

(a) If so, can the buildings be arranged so as to locate heavy machinery, or other heavy floor loads such as stocks of raw materials or finished product, on the ground floor, with other departments with lighter floor loads in upper stories? Also, can the departments be divided approximately according to the areas available in the separate stories so as to avoid complication in the problems of administration and supervision.

2. Is the business of a character which requires a large amount of sidetrack for delivery of raw materials, or removal of finished product, or large areas of yard room, or is there a large amount of heavy machinery which requires location on a ground floor, or is the product so heavy that vertical transportation is difficult and expensive in comparison with lateral transportation by truck or crane? Also, is a large amount of evenly distributed daylight or overhead ventilation necessary or advisable, and will the problem of administration and supervision be materially simplified by locating the entire plant, or most of it, on one level? If so, it is likely that an outlying location will prove both advantageous and desirable.

A notable instance of a corporation which has lately changed from multi-story to single-story design for branch plants, is the Ford Motor Company, which is now developing large properties in the outlying districts of our cities in the single-story type of assembly plant.

3. When the ideal plant development plan has been worked out, and a property found which is reasonably suited for the purposes required, does any of the floor space needed lend itself to the so-called standard types of construction, as follows:

(a) Are there any warehouses or storage buildings where the possibility of a considerable amount of heat in the summer, or difficulty of keeping warm in the winter, will not be objectionable? If so, the sheet-metal types or semiportable, or unit types of standard buildings should be considered.

(b) Are there any considerable quantities of floor space required with large unobstructed areas, without columns, with uniform lighting with the possibility of needing overhead supports for shafting, and with excellent ventilation? Also, is quick delivery of the completed structure at moderate cost and practical universality of usefulness likely to be of advantage, particularly in single-story types? If so, it is well to consider the heavier types of standard factories as designed and built by several substantial industrial building concerns.

(c) Is there a possibility that parts of the sheet-metal types of buildings, or of the heavier types of standard factories, can be adapted in so-called semi-standard designs, to secure quick delivery and low cost?

4. In general, there is a very marked tendency toward the centering of responsibility for a substantial industrial development, either as an addition to an existing plant, or in the construction of an altogether new factory, to one organization which will plan, construct, and equip the factory complete, or do such part of the work as the owner does not wish to do with his own forces.

The immense increase in demand upon the time of the successful factory executive is making it necessary for him to place his design and construction business simply and quickly with responsible concerns upon whom he can depend absolutely for guarantees of price, delivery, and quality, without haggling at the outset and without argument during the progress of the work.

Such a bargain contemplates site selection, transportation development, the layout of buildings and equipment, using standard or special buildings in their proper proportion, at a lump sum price or a maximum limit of price, the construction of same according to approved plans and specifications within an agreed time, and a guarantee of materials and workmanship over a predetermined period.

5. One company embodying within itself all of the above types of the con-

(Continued on page 240)

Advance Construction News

CONTEMPLATED CONSTRUCTION: ARCHITECTS AND OWNERS: COST LIMIT: LAST DAYS FOR FILING BIDS:

CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED: ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residences (2), 417-19 East Godfrey avenue, Philadelphia, \$6,000 each. Architect, private plans. Owners, Shoemaker Brothers, 5726 North Mascher street, Philadelphia. Brick, 2 stories, 16x43 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Convention Hall (alts.), Line street, Camden, N. J. Architects, Edwards & Green, Camden, N. J. Owners, City of Camden, N. J. Brick, cut stone, reinforced concrete, stone, marble work, dampproofing, waterproofing, metal ceiling, carpentry and mill work, iron work, kalamein rolling steel shutters, plastering, metal lath, Morene Art Cement, composition floors, metal toilet partitions, hardware, projection booth, painting and glazing, celotex, imitation granite, marble work, asbestos built-up roof, galvanized iron ventilators, iron stairs, maple floors. Owners taking bids due April 22nd at 10 A. M.

High School, Mt. Joy, Pa. Architects, Folsom, Stanton and Graham, 10 South Eighteenth street, Philadelphia. Owners, Board of Education, N. W. Lewcomer, secretary, Mt. Joy, Pa. Brick, steel, 2 stories and basement. Deposit, \$15. Refund, \$10. Owners taking bids due April 23rd, 7:30 P. M.

Victory Arch, Entrance to League Island Navy Yard, Philadelphia. Architect, Joseph M. Huston, Presser Building, Philadelphia. Owners, United States Government, Washington, D. C. Stone. Work contemplated.

Elementary School, Jasper and Clearfield streets, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Plans about completed. Will advertise in May.

Building, Northwest Corner Sixteenth and Chestnut streets, Philadelphia. Owners, Horn & Hardart Co., 214 South Tenth street, Philadelphia. Building, 42x153 feet, first floor and basement restaurants. Architect selected, name withheld. Plans in progress. Too early for details.

Operation of Residences, McCallum, Jefferson, Emlen streets, Philadelphia. Architect, private plans. Owners, Kenin & Shapiro, 5850 Market street, Philadelphia. Brick, 2 stories. Number not determined. Work contemplated.

Bath House, West Philadelphia. Architect, J. S. Fuller, 5438 Locust street, Philadelphia. Owner, name withheld. Brick, steel, 3 stories, 40x100 feet, slag roof, cement floors, steam

heat, oil burning equipment, electric light, tile and marble work, will contain swimming pool, insulation, showers, locker rooms. Preliminary plans in progress.

Residence, Chestnut Hill, Pa. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owner, E. H. Finletter, Chestnut Hill, Pa. Stone, 2½ stories, 20x43 feet, wing 23x18 feet, shingle roof, oak and pine floors, hot water heat, electric light, tile work, ornamental iron work. Architects taking bids due April 20th.

Building (alts.), New Warehouse, Germantown and Jefferson street, \$60,000. Architect, I. E. Spier, 1304 North Second street, Philadelphia. Owners, Jacob, Inc., on premises. Brick, steel, reinforced concrete, 3 stories, 30x110 feet, vapor heat (passenger and freight elevators and frames reserved), electric light, composition roof, concrete and pine floors, sheet metal work, cement work, plastering, sprinkler system, metal ceilings, plumbing, fire escapes, kalamein and rolling shutter doors, hollow metal skylights, rolled steel sash. Owners taking bids due as soon as possible.

Residence and Office (alts. and add.), 338-40 South Smedley street. Architect and owner, Charles Barton Keen, 338 South Smedley street, Philadelphia. Brick, 1 and 2 stories, add. 12x17 feet each, slag roof, hardwood floors, hot water heat, electric light. Architect taking bids due April 20th.

Alterations and Additions, Southwest Corner Fifth and Lehigh avenue, Philadelphia. Architect, Joseph F. Lowery, 1012 Land Title Building, Philadelphia. Owners, F. A. and E. S. Schneider, on premises. Brick work, cut stone, concrete work, sheet metal work, plastering, painting and glazing, tile and marble work, plumbing, heating, electric work, galvanized iron skylights, tin roof, metal lath, pipeless heating, wrought iron pipe. Architect taking bids due April 19th.

Residence and Garage, Dakota street, Wynnefield, Pa. Architect, Edwin A. Roth, Drexel Building, Philadelphia. Owner, name withheld. Stone, 2½ stories, 31x42 feet, slate or tile roof, hardwood floors, hot water heat, electric light, tile work. Architect taking bids due April 19th.

Garage, Northwest Corner Twenty-second and Pine to Panama, Philadelphia. Architect,

J. Frank Clark, 23 South Sixteenth street, Philadelphia. Owner, Jacob Pastean, care of architect. Reinforced concrete, brick, 2 stories, 80x80 feet, gypsum roof, concrete floors, hollow tile, elevator, plumbing, plate glass, metal ceilings, flush bulks, rolling steel doors, hollow metal skylights, rolled steel sash, oil burning equipment, electric light, steam heat. Architect ready for bids due April 18th.

Church, Twenty-first and Sixty-fifth avenue, Philadelphia. Architect, Robeson Lea Perot, 137 Harvey street, Philadelphia. Owners, St. Luke's Mission Chapel, care of architect. Brick, stone, 1 story, 36x88 feet, tile roof, mill work, plastering, stucco work. Architect taking bids due April 20th before noon.

Swimming Pool, W. F. Kendrick Playground, Ridge and Roxborough, Philadelphia. Architects, A. J. Sauer Co., Denckla Building, Philadelphia. Owners, Department of Public Welfare, Bureau of Recreation, 595 City Hall. Construction of swimming pool, plumbing, electric work. Certified check 5 per cent. of amount of bid. Owners taking bids due April 21st at noon.

Residence and Garage, Dakota street, Wynnefield, Pa. Architect, Edwin A. Roth, Drexel Building, Philadelphia. Owner, Jacob Sall, 5075 Parkside avenue, Philadelphia. Stone, 2½ stories, 30x40 feet, slate or tile roof, hardwood floors, hot water heat, electric light, tile work. Architect taking bids due April 19th.

Residence and Garage, Dakota, near Fifty-first street, Wynnefield, Pa. Architect, Edwin A. Roth, Drexel Building, Philadelphia. Owner, William Sabol, 6033 Oxford avenue, Philadelphia. Stone, 2½ stories, 30x42 feet, with wing, slate or tile roof, hardwood floors, hot water heat, electric light, tile work. Architect taking bids due April 19th.

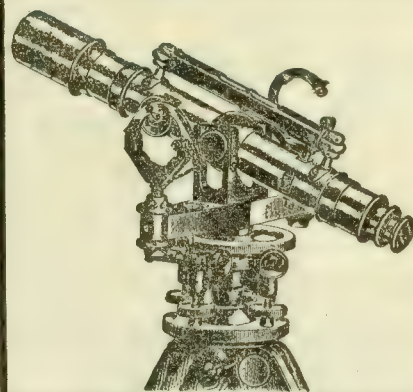
Factory, Southwest Corner Fifty-fifth and Sansom streets, Philadelphia. Architect, Clarence Wunder, 1520 Locust street, Philadelphia. Owners, Security Bank Note Co., 223 Chestnut street, Philadelphia. Brick, reinforced concrete, cut stone, 3 stories and basement, 83x136 feet (plumbing, heating, electric elevators, dumb waiters reserved), Johns Mansville built-up roof, cement floors, hollow tile, shoring, dampproofing, architectural terra cotta, ornamental iron work, floor hard-

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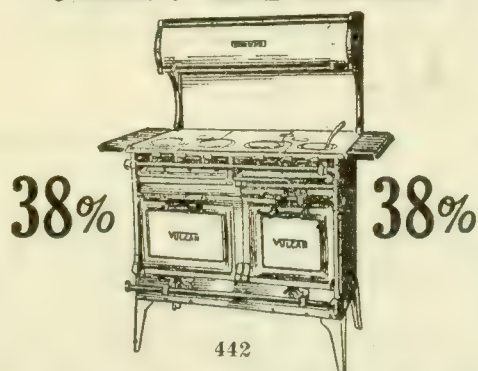
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ener, bond, fire and kalamein doors, rolled steel and hollow metal sash, tile work, rolled steel doors, vault doors, metal toilet partitions. Architect taking bids due April 20th at noon.

Duplex Apartment Building, Southwest Corner Fifty-first and Dakota streets, Wynnefield, Pa. Architect, Edwin A. Roth, Drexel Building. Owner, Nathan Lavittie, 3822 Girard avenue, Philadelphia. Stone, stucco, 2 stories, 32x65 feet, Spanish tile roof, hardwood floors, hot water heat, electric light, tile work. Architect taking bids due April 19th.

Printing Plant (alts. and add.), 5622 Chew street, Philadelphia. Architect, Addison H. Savery, 1309 Locust street, Philadelphia. Owners, Lyman and Lucien Lull, 5554 Crowson street, Philadelphia. Tapestry brick, stone, 1 story, 22x40 feet, irregular, 2 stories, 11x20 feet, slag roof, metal work, cement work, plumbing, painting and glazing, plate glass, hot water heat, electric light. Owners taking bids due April 17th.

Garage (alts. and add.), 911-17 North Twenty-sixth street, Philadelphia. Architect, Joseph Margolis, Schaff Building, Philadelphia. Owner, Joseph Woldow, on premises. Brick, cast stone, concrete, steel, 1 story, 117x37 feet (plumbing, heating reserved), electric light, rolled steel sash, galvanized iron skylights, fire doors, bond, ornamental iron work, slag roof, cement floors. Architect taking bids due April 16th.

Residence (alts.), 6911 Clearfield street, Philadelphia. Architect, J. W. Keyes, 6226 McCallum street, Philadelphia. Owner, C. Ehret, care of architect. Carpentry and mill work, painting and glazing, shingle roof, electric work, plastering. Architect taking bids due as soon as possible.

Store (new front, int. alts.), 605 Market street, Philadelphia. Architect, L. J. Tunis, 1423 Locust street, Philadelphia. Owners, Post Radio Co., on premises. Removing partitions, new front, bulk, 20x20 feet, pine floors, plate glass, mill work, electric light, tile and marble work. Owners taking bids.

Residence, West Manayunk, Philadelphia, Pa. Architects, Durham Brothers, 1609 Sansom street, Philadelphia. Owner, Friend Scargill, 105 Rockland street, West Manayunk, Philadelphia. Stone, 2 stories, 16 feet 4 inches x 42 feet, slag roof, pine floors, hot water heat, electric light, tile work. Owner will build.

Store (alts.), Southwest Corner Germantown avenue and Somerset streets, Philadelphia. Architects, Durham Brothers, 1609 Sansom street, Philadelphia. Owner, R. L. Saunders, 2710 Germantown avenue, Philadelphia. New front, plate glass, metal bulks. Owner ready for bids.

Building, 712 Chestnut street, Philadelphia. Architects, Thalheimer & Weitz, 10 South Eighteenth street, Philadelphia. Owners, Thompson Spa, care of architect. Brick, limestone, 4 stories, 23x140 feet, slag roof, composition floors, electric light, tile and marble work. Plans in progress. Ready for bids in about two weeks.

Garages (20), 6720 Greenway avenue, Philadelphia. Architect, F. P. Canavan, 7032 Greenway avenue, Philadelphia. Architect, George Firth, on premises. Brick, 1 story, 8½x17 feet, slag roof, cement floors, electric light. Plans completed. Owner ready for sub-bids.

Stores (3), Northwest Corner Sixtieth and Kingsessing avenue, Philadelphia. Architect, F. P. Canavan, 7032 Greenway avenue, Philadelphia. Owner, P. S. Malloy, on premises. Brick, steel, concrete, 1 story, 18x60 feet, irregular, reinforced concrete roof, wood floors, electric light. Plans completed. Owner ready for sub-bids.

Garage, 5940 Spruce street, Philadelphia. Architect, F. P. Canavan, 7032 Greenway avenue, Philadelphia. Owner, Mr. P. Cummings, on premises. Brick, 1 story, 18x18 feet, slag roof, cement floors, electric light. Plans completed. Owner will build.

Residence and Nineteen Individual Garages, Fifty-fifth and Cherry streets, Philadelphia. Architect, F. P. Canavan, 7032 Greenway avenue, Philadelphia. Owners, C. A. Conan, Inc., 140 North Fifty-fifth street, Philadelphia. Brick, 2 stories, 15x38½ feet, slag roof, pine floors, hot water heat, electric light, garages, brick, 1 story, 8½x17 feet, sheet metal work. Plans completed. Owners ready for bids.

Gas Filling Station, Wyoming and Belfield avenues, Philadelphia. Architect, F. P. Canavan, 7032 Greenway avenue, Philadelphia. Owner, A. Liebovitz, 4045 Baltimore avenue, Philadelphia. Brick, 1 story, irregular in size, tile roof, cement floors, electric light. Plans completed. Owner will build.

Apartment House, 6030 Larchwood avenue, Philadelphia. Architect, F. P. Canavan, 7032 Greenway avenue, Philadelphia. Owner, Albert A. Shatton, 6142 Pine street, Philadelphia. Brick, 3 stories, 44x108 feet, low pressure heat, electric light, tile work, fire tower and doors, slag roof, hardwood floors, kitchen equipment, will contain 18 apartments. Plans completed. Owner ready for sub-bids.

Residences (34), Durham and Chew streets, Philadelphia, \$132,000. Architect, private plans. Owners, Fishman, Fort & Park, 216 Duncannon avenue, Philadelphia. Brick, 2 stories, 18x28 feet and 16x30 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residences (3), South side Gray's avenue, East of Fifty-fourth street, \$12,000 total. Ar-

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chitect, private plans. Owner, J. W. Gordon, 1846 South Conestoga street, Philadelphia. Brick, 2 stories, 15x38 feet, slag roof, hot water heat, electric light, pine floors. Owner will build.

Residences (173), (30) Conly street and York road, Philadelphia, \$304,000; (59) Seventh, Champlost avenue and Nedro avenue, \$385,000; (84) Charles and Brill streets, Philadelphia, \$506,500. Owner, George Schwinn, Southwest Corner Camac and Lindley avenue, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (27), Torresdale avenue, Granite and Bridge streets, \$4,000 each. Architect, private plans. Owners, Lewis Merget & Bro., 1975 Foust street, Philadelphia. Brick, 2 stories, various sizes, pine floors, electric light. Owners will build.

Residences (5), West side Whitaker, North of Bleigh street, \$18,000 total. Architect, private plans. Owner, August Glaser, 1646 North Fourth street, Philadelphia. (1) Brick, (4) frame, 2 stories, 16x40 feet, hot air heat, electric light, pine floors. Owner will build.

Office, East side Sixty-eighth street, North of Woodland avenue, Philadelphia, \$15,000. Architect, private plans. Owner, A. Leibowitz, 4045 Baltimore avenue, Philadelphia. Brick, 1 story, 70x62 feet, slag roof, electric light, pine floors. Owner will build.

Residence and Store, North side Wyoming avenue, West of Fifth street, \$8,000. Architect, private plans. Owner, J. Shelberg, 514 Wyoming avenue, Philadelphia. Brick, 3 stories, 17 feet 6 inches x 52 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Garage, West side Dexter street, South of Lyceum avenue, Philadelphia, \$6,000. Architect, private plans. Owner, Frank Spiese, on premises. Brick, 1 story, 32x154 feet, cement work, slag roof. Owner will build.

Residences (51), Moore and Pierce streets, West of Twenty-seventh street, \$245,500. Architect, private plans. Owners, Charles A. Young and William L. Gaulbert, Southeast Corner Twelfth and Porter streets, Philadelphia. Brick, 2 stories, 15x50 feet and 16x41 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Shop, Storage and Garage, West side Sixteenth street, South of Indiana avenue, \$21,000. Architect, private plans. Owners, Pooley Furniture Co., Sixteenth and Indiana avenue, Philadelphia. Iron, 1 story, 68x85 feet, 40x105 feet, garage, 1 story, 32x26 feet, corrugated iron roof, cement work. Owners will build.

Residences (2), South side Gilham street, East of J street, Philadelphia, \$5,000 each. Architect, private plans. Owners, E. Fred Kummer & Bro., 1223 Cottman street, Philadelphia. Frame, 2 stories, 16x48 feet, shingle

roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residences (4), West side Montour street, North of Levick street, \$4,500 each. Architect, private plans. Owner, William H. Fischer, 6370 Montour street, Philadelphia. Brick, 2 stories, 16x48 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Shop, Southeast Corner Poplar and Meeting House Lane, Philadelphia, \$4,000. Owners, M. Hatch, et al., 5416 Vine street, Philadelphia. Brick, 2 stories, 32x45 feet, slag roof, pine floors, hot water heat, electric light. Owners will build.

Warehouse (alts.), 126-32 East Cumberland street, Philadelphia, \$5,000. Architect, private plans. Owner, Harry Hagan, on premises. General alterations. Owner will build.

Apartment, 5102 Lancaster avenue, Philadelphia, \$9,000. Architect, private plans. Owners, Jacob Myers Sons Co., 608 Witherspoon Building, Philadelphia. Concrete block, stucco, 2 stories, 33x43 feet, slag roof, oak and pine floors, tile work, steam heat, electric light. Owners will build.

Residences (4), South side Lindley avenue, East of Sixth street, \$18,500. Architect, private plans. Owner, J. Storck, 3140 North Camac street, Philadelphia. Brick, 2 stories, 14x40 feet, 14x28 feet, 11x12 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Storage (add.), 813-19 North Eleventh street, Philadelphia, \$8,000. Architects, William F. Koelle & Co., Twenty-sixth and Oxford streets, Philadelphia. Owners, P. E. Sharpless Co., Eleventh and Reno streets, Philadelphia. Brick, third story add., 38x38 feet, slag roof, pine floors. Architects will build.

Residences (22), South side Nedro avenue, West of Sixteenth street, \$7,000 each. Architect, private plans. Owner, S. S. Brenner, 4906 North Marvine street, Philadelphia. Brick, 2 stories, 16x54 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (55), American, Grange and Furley streets, \$220,900. Owner, Frank Hudson, 1729 Bridge street, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Laundry, 1204 Reed street, Philadelphia, \$6,000. Architect, private plans. Owner, J. Reale, 1828 South Twenty-second street, Philadelphia. Brick, 1 story, 22x65 feet, slag roof, pine floors, electric lighting, cement work. Owner will build.

Residences (4), East side Glenlock street, North of Princeton avenue, \$6,000 each. Architect, private plans. Owner, O. H. Thompson, 3123 Tyson street, Philadelphia. Brick, 2

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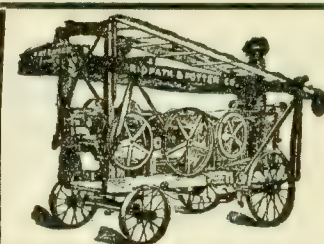
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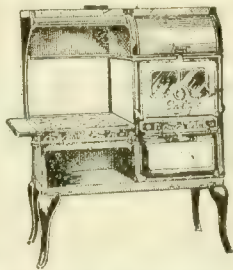
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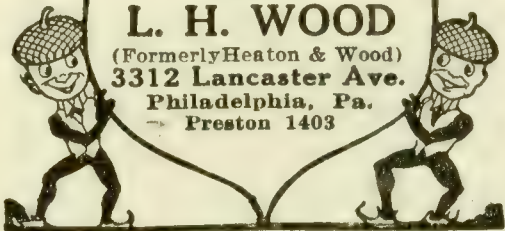
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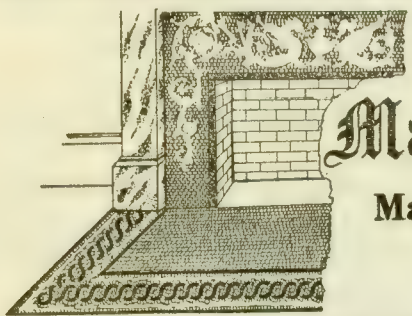
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Residences (5), 4450-52-54-56-58 North Reese street, Philadelphia, \$4,000 each. Architect, private plans. Owner, F. V. Schubert, 4438 North Reese street, Philadelphia. Brick, 2 stories, 14x27 feet, 11x9 feet, 15x39 feet, hot water heating, electric light. Owner will build.

Stores (4), Tioga street, East of H street, Philadelphia, \$2,000 each. Architect, private plans. Owner, Roland Bale, Sr., 3364 Rand street, Philadelphia. Brick, 1 story, 14 feet 8 inches x 30 feet, slag roof, pine floors. Owner will build.

Garage (add.), Southwest Corner Fifteenth and Jefferson streets, Philadelphia, \$2,000. Architect, private plans. Owner, H. Licht-

man, 6105 Pine street, Philadelphia. Brick, 1 story, 20x38 feet. Owner will build.

Manufacturing Building (alts.), 2415 North Howard street, \$2,000. Architect, private plans. Owners, Thomas L. Leedom Estate, on premises. General alterations. Owners will build.

Residence, West side Lawndale avenue, South of Benner street, \$5,000. Architect, private plans. Owner, J. Storek, 3140 North Camac street, Philadelphia. Brick, 2 stories, 15x40 feet, hardwood and pine floors, hot water heat, electric light. Owner will build.

Main and Branch Sewers, Philadelphia. Owners, Department of Public Works, Bureau of Engineers, 232 City Hall. Low bidders: Main Sewers—Champlost avenue, Sixth to Fifth, Godfrey avenue, George F. Dobbins, 1020 South Forty-seventh street, Philadelphia, \$62,106; Castor avenue, Magee street to Cottman, O'Neill Co., 127 Mermaid street, \$107,355.14; Loretto avenue, between Magee avenue and Princeton avenue, O'Neill Co., 127 Mermaid lane, \$77,174.50; Sanger street, from East of Tulip street, Torresdale avenue, Barad & Pinchot, care of owners, \$29,149. Low bidders Branch Sewers—Almond street, from Venango street to Summit Southwest, Perna Const. Co., 6413 Vine street, \$2,502.60; Ardleigh street, from Mt. Airy avenue to Nippin street, A. Bonstaumis, care of owner, \$4,085. Balfour street, from Venango street to Victoria street, J. J. McHugh, 1611 Race street, \$5,514.68; Bath street, from Venango street to Victoria street, Campilioni, care of owner, \$2,300.50; Bigler street, from Thirteenth street to Broad street, Carco Cont., care of owners, \$5,738.50; Diamond street, from Fifty-second street to Lebanon street, Higgins & Reilly, 324 Stanwood street, \$10,659.44; Durard street, from Sprague street to Boyer street, J. J. McHugh, 1617 Race street, \$6,793.10; Durham street, from Germantown avenue to Chew street, A. Bontaumiss, care of owner, \$6,605; Fourth street, from Nedro avenue to Champlost, Pacifico Ventresco, care of owner, \$7,919; Fifty-second street, from Overbrook avenue to City avenue, A. Bontaumiss, care of owner, \$15,615.54; Gaul street, from Schiller street to Tioga street, De Pasquali, care of owner, \$3,077.80; Gaul street, from Westmoreland street northward, Campilioni, care of owner, \$2,289.50; Janney street, from Tioga street to about 293 feet Northeast, McCool Const. Co., Broad and Passyunk, \$2,349.28; McKean street, Philadelphia, Mr. Cozetti, care of owner, \$13,112.50; Mercer street, Perna Const. Co., 6413 Vine street, Philadelphia, \$2,490; M street, Perna Const. Co., 6413 Vine street, Philadelphia, \$7,384; Naomi street, A. Perna, 752 South Tenth street, Philadelphia, \$9,000; Salmon street, Perna Const. Co., 6413 Vine street, \$3,868.78; Sepviva street, Perna Const. Co., 6413 Vine

street, Philadelphia, \$2,902.25; Third street, Batari & Ponarello, care of owner, \$2,829.50; Thompson street, Perna Const., 6413 Vine street, \$4,448.85; Valetta street, Joseph Moss, 1652 Wakeling street, \$2,819.05; Victoria street, A. Perna & Son, 6413 Vine street, \$1,710; Wallace street, Lombardi Co., Inc., Lincoln Building, \$3,185; Webb street, Perna Const. Co., 6413 Vine street, \$2,689.80; Wyn-cote street, Pacifico Ventresco, care of owners, \$22,739.10.

Schools, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Low bidders: Germantown High School Gym—D. Lutz Co., Third and Chestnut streets, Philadelphia, \$68,600; Kober Const. Co., 34 South Seventeenth street, Philadelphia, \$68,700; plumbing, Bulman Brothers, Fifth and Cumberland streets, \$3,124; electric, Enterprise Elec. Co., 239 South Tenth street, \$1,684; heating, S. Faith, 2427 Pennsylvania avenue, \$3,657; ventilating, Mr. Wagman, care of architect and owner, \$385. Frankford High School Balcony—Mitchell Brothers, 2125 Race street, Philadelphia, \$344; E. C. Durrell, 1713 North Twenty-fourth street, Philadelphia, \$445. Electric Work, Roxborough School—Northern Elec. Cont. Co., 521 East Ruscomb street, \$283. No. 81, Enterprise Elec. Co., 239 South Tenth street, \$216. No. 82, Northern Elec. Const. Co., 521 East Ruscomb street, \$334. No. 83, Northern Elec. Const. Co., 521 East Ruscomb street, \$256. No. 84, Ross Elec. Co., 106 Fairmount avenue, \$1,025. No. 85, Enterprise Elec. Co., 239 South Tenth street, \$1,308. No. 86, Enterprise Elec. Co., 239 South Tenth street, \$1,034. No. 87, Walker Kepler, 531 Chestnut street, \$4,328.

Office, 4710-12 Market street, Philadelphia. Engineer, E. P. Cameron, Witherspoon Building, Philadelphia. Owners, E. D. Fabian Co., on premises. Brick, steel, mill construction, 3 stories, 31x88 feet (heating reserved), slag roof, concrete floors, elevators, roof ventilators, cast stone, terra cotta, ornamental iron work, iron stairs, fire doors, rolled steel sash and skylights, tile and marble work, metal lath, electric light. Owners taking bids due April 16th.

Contracts Awarded

Garage, South side Sansom street, West of Forty-fifth street, Philadelphia, \$90,000. Architect, private plans. Owners, F. S. Carter and H. W. Smith, 1809 Callowhill street, Philadelphia. Brick, 2 stories, 150x95 feet, slag roof, cement floors, electric work. Contract awarded to Smith-Hardican Co., 1809 Callowhill street.

Play House, East side Wissahickon avenue, South of Westview street, \$6,200. Architect, private plans. Owner, Miss A. W. Strawbridge, on premises. Stone, 1 story, 19x33 feet, 13x9 feet, hot water heat, electric work. Contract awarded to W. J. Gruhler Co., 219 East High street, Philadelphia.

Factory and Storage Building (alts. and add.), 606-08 North American street, Philadelphia. Architect, Max A. Bernhardt, 721 Walnut street, Philadelphia. Owners, Monroe, Lederer & Taussig, on premises. Brick, steel, 5 stories (plumbing, heating, electric elevators separate bids), metal lath, fire doors, ornamental iron work, slate partitions, slag roof, maple and cement floors, carpentry and



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mill work, painting and glazing, plastering. Contract awarded Mr. Demarest, care of architect.

Warehouse, 728 Lombard street, Philadelphia. Architect, J. S. Fuller, 5438 Locust street, Philadelphia. Owner, B. Shapiro, on premises. Brick, 3 stories, 40x50 feet, slag roof, plank floors, elevators, steam heat, electric light, oil burning system, rolling steel skylights, steel rolling doors. Contract awarded A. P. Luckner, Thirty-fourth and Haverford streets, Philadelphia, but not yet signed.

Gulf Building (First Floor and Basement) (alts. and add.), Locust and Sydenham, Philadelphia. Architect, George W. Pepper, Jr., Commonwealth Building, Philadelphia. Owners, W. H. Newbold & Sons Co., on premises. Brick, hollow tile, steam heat, electric light, tile and marble work, metal lath, bond, painting and glazing, cement floors, carpentry and mill work, hardware, plumbing, slate work. Contract awarded F. W. Van Loon, Perry Building, Philadelphia.

Basement (alt. into store), 1307 Market street, Philadelphia. Architect, Frank E. Hahn, Seventh and Chestnut streets, Philadelphia. Owner, Truly Warner, on premises. Rubber tile floors, plastering, metal lath, steel, plumbing, sprinklers, electric work, stair work, cabinet work, mill work, kalamein doors, sheet metal work. Contract awarded Kober Const. Co., 34 South Seventeenth street, Philadelphia.

Residence and Garage, Seventh and Sixty-fourth avenue, Oak Lane, Philadelphia. Architect, Edward Schoeppe, 315 South Fifteenth street, Philadelphia. Owner, E. I. Shuttleworth, care of architect. Stone, 2½ stories, 45x28 feet, 1½ stories, 21x21 feet, variegated slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Contract awarded Thomas C. Trafford, 1613 Sansom street, Philadelphia.

Store and Residence (alts. and add.), 2326-28 Ridge avenue, \$9,500. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Owner, M. J. Liehorst, on premises. Brick, 2 stories, 13x16 feet, third story, 18x28 feet, general alterations. Contract awarded to A. Barsky, 3225 Arlington street, Philadelphia.

Store and Residence (alts. and add.), 4426 Germantown avenue, \$3,800. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, Henry A. Siegel, on premises. Brick, 1 story add., 18x19 feet 6 inches, general alterations. Contract awarded to Thomas M. Keeley, 4411 Germantown avenue, Philadelphia.

Store and Apartment (add.), 2134 Norris street, Philadelphia, \$3,750. Architect, private plans. Owner, B. Sigal, on premises. Brick, 2 stories, 20x14 feet, slag roof, pine floors, electric work. Contract awarded to H. D. Meeker, 917 North Nineteenth street, Philadelphia.

Store and Residence (alts. and add.), 322 South Fifth street, Philadelphia, \$3,600. Architect, private plans. Owner, S. Zeldin, 705 South Fourth street, Philadelphia. Brick, 3 stories add., 15x6 feet, general alterations. Contract awarded to P. Shestack, 5829 Walnut street, Philadelphia.

Residence (add.), 4820 Griscom street, Philadelphia, \$3,500. Architect, private plans. Owner, Alex. McCauley, 4820 Griscom street, Philadelphia. Brick, 2 stories add., 16x16 feet, 1 story add., 16x10 feet. Contract awarded to Buzby & Propert, 1658 Unity street, Philadelphia.

Residences (2), South side Dungan road, North of Bleigh street, \$5,000 each. Architect, private plans. Owner, Charles Otte, 7330 Claridge street, Philadelphia. Brick, 2 stories, 14x40 feet, slag roof, hot water heat, electric light, hardwood and pine floors. Contract awarded to Charles Freeman, 7323 Claridge street, Philadelphia.

Residence and Store (alts. and add.), Northeast Corner Sixth and Reed streets, \$11,000. Architect, private plans. Owner, Jacob Greenberg, on premises. Brick, 2 stories add., 9x18 feet, general alterations. Contract awarded to Simon Reece, 1641 West Thompson street, Philadelphia.

Store (alts.), Southeast Corner Twelfth and Market streets, Philadelphia, \$8,000. Architect, private plans. Owners, N. Snellenburg & Co., on premises. General interior alterations. Contract awarded to William Steele & Sons Co., 219 North Broad street.

Garage, South side Wakeling street, East of Frankford road, \$6,800. Architect, private plans. Owner, W. J. Strange, on premises. Brick, 1 story, 47x66 feet 6 inches, slag roof, cement floors. Contract awarded to Letton & Rudolph, 1602 Bridge street, Philadelphia.

Garage (repairs), Southwest Corner Front and Courtland streets, \$3,200. Architect, private plans. Owner, Bessie Burman, Seventh and Luzerne streets, Philadelphia. General fire repairs. Contract awarded to F. B. Davis & Son, 240 North Sixteenth street, Philadelphia.

Store and Residence (alts.), Northeast Corner Fifth and Girard avenue, \$6,000. Architect, private plans. Owner, Samuel Goldberg, on premises. General alterations. Contract awarded to R. Glasshoffer, 529 Morris street, Philadelphia.

Residences (6), North side Seville street, East of Ridge avenue, \$30,500. Architect, private plans. Owner, M. Kersum, Ridge and Midvale avenues, Philadelphia. Brick, 2 stories, 15x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Charles Schock, 595 East Hermit lane, Philadelphia.

Storage Building, East side Edgemont street, North of Wheatsheaf lane, \$18,000. Architect, private plans. Owner, James A. Rees, 2851 Emerald street, Philadelphia. Brick, 1 story, 84x109 feet, slag roof, pine floors. Contract awarded to D. J. Papano, 1240 Reed street, Philadelphia.

Residence (alts. and add.), 3339 North Sixteenth street, Philadelphia, \$6,000. Architect, private plans. Owner, Charles Finley, on premises. Brick, 1 story add., 21x20 feet, general alterations. Contract awarded to Ray E. Hofner, 3918 North Sixth street, Philadelphia.

Store and Storage (alts. and add.), 2239 Spring Garden street, \$10,000. Architect, private plans. Owners, Fitzpatrick Estate, care

of William Seymour, 1011 Chestnut street. Brick, 1 story add., 5 feet 6 inches x 39 feet, general alterations. Contract awarded to Carr & Courtney, 3025 Poplar street, Philadelphia.

Store (alts.), Southeast Corner Seventh and Commerce streets, Philadelphia, \$7,500. Architect, private plans. Owner, Ambrosi De Cuzzo, 917 Federal street, Philadelphia. General alterations. Contract awarded to Scruci & Mac-



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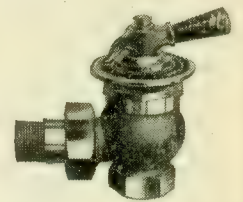
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rame, 734 South Seventh street, Philadelphia.

Residence, South side Fuller street, West of Frontenac street, \$6,000. Architect, private plans. Owner, Miss M. Elizabeth Rainey, 164 Passaic street, Trenton, N. J. Frame, 2 stories, 25x44 feet, shingle roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Henry E. Durst, Rhawn and Castor avenue, Philadelphia.

Store and Residence (add.), 818 Fitzwater street, Philadelphia, \$5,400. Architect, private plans. Owner, Thomas Filizzi, on premises. Brick, second and third stories add., 10x15 feet, slag roof, pine floors. Contract awarded to Scurci & Macrame, 734 South Seventh street, Philadelphia.

Residence (add.), 6725 North Seventh street, Philadelphia, \$3,500. Architect, private plans. Owner, S. Berovitz, on premises. Brick, second story add., 22x14 feet, pine floors, electric work. Contract awarded to J. Satler, 1408 North Marshall street, Philadelphia.

Manufacturing Building (alt.), 919-21 Walnut street, Philadelphia, \$4,200. Architect, private plans. Owners, Custis Trust Co., 400 Chestnut street, Philadelphia. General alterations. Contract awarded J. F. Boeger, 617 Delancey street, Philadelphia.

Garage, Southwest Corner Thirty-second and Penn streets, Philadelphia, \$2,765. Architect, private plans. Owner, John O. Young, on premises. Brick, 1 story, 19x22 feet, slag roof, cement floors. Contract awarded to McClintic & Weaver, 24 West Phil-Ellena street.

Building (add.), East side Third street, North of Allegheny avenue, \$2,000. Architect, private plans. Owners, Lehigh Bernstein Mfg. Co., on premises. Brick, 1 story add., 12x40 feet, slag roof, pine floors. Contract awarded to H. A. Hopple, Heed Building, Philadelphia.

Residence (add.), 2808 Salmon street, Philadelphia, \$2,500. Architect, private plans. Owner, D. Marcolongo, on premises. Brick, 2 stories, 12x14 feet, carpentry work. Contract awarded to Daniel DiZio, 2523 East Somerset street, Philadelphia.

Addition, 345 North Sixty-fourth street, Philadelphia, \$2,400. Architect, private plans. Owner, John Rymor, on premises. Brick, 2 stories, 15x6 feet, 12x8 feet. Contract awarded A. Perna & Bro., 6413 Vine street, Philadelphia.

Garage, East side Park avenue, South Champlost avenue, Philadelphia, \$2,000. Architect, private plans. Owner, Leopold Quarry, 5919 West Park avenue, Philadelphia. Brick, 1 story, 35x18 feet. Contract awarded to Harry R. Golhardt, 273 East Bingham street, Philadelphia.

Garage (add.), Ninth street, South of York street, Philadelphia. Owner, Sarkis Baronian, on premises. Brick and steel, 1 story, 60x118 feet (plumbing, heating, electric reserved), cement work, slag roof, pine floors, elevators. Contract awarded A. C. Baumann, 7101 Theodore street, Philadelphia, who wants sub-bids on brick work and elevators.

Pennsylvania Construction News

Residence (alts.), Pottsville, Pa. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, J. H. Zerbey, Pottsville, Pa. General alterations. Plans in progress.

Residence, Andover road, Northwest of Exeter road, Haverford, Pa. Architect not yet selected. Owner, A. H. Zayotte, Palmyra, N. J. Work contemplated in fall of 1925.

Residence, Temple, Pa. Architect, Warren D. Heinly, 7 South Fourth street, Reading, Pa. Owner, William M. Adams, Temple, Pa.

Brick, concrete, 2½ stories, 30x45 feet, slate roof, pine floors, hot water heat, electric light. Owner taking sub-bids.

Grade School (add.), Yeadon, Pa. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, School Board of Yeadon, J. C. Gapp, secretary, Yeadon, Pa. Brick, 1 story, 2-room addition. Plans in progress.

High School, Yeadon, Pa. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, School District of Yeadon, J. F. Gapp, secretary, Yeadon, Pa. Work contemplated.

Residence, North Second street, Harrisburg, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owner, William Fisher, care of architect. Brick, 2½ stories. Sketches in progress.

Store and Apartment (alts. and add.), 305 North Second street, Harrisburg. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owner, H. T. Hamboy, care of architect. Brick, 3 stories, hardwood floors, steam heat, metal lath, tile and marble, plate glass, copper work. Plans in progress.

Club (alts.), Carlisle, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, Phi Kappa Sigma Fraternity, care of A. Bosler, Carlisle, Pa. General interior alterations, hardwood floors. Plans in progress.

High School, Gettysburg, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, Gettysburg School Board, Mr. Block, secretary, Gettysburg. Semi-fireproof, brick, 2 stories and basement, 70x140 feet, 50x40 feet, slag roof, maple floors, safety treads, roof ventilators, waterproofing and dampproofing (heating, plumbing, electric separate), metal lath, tile work, iron stairs. Plans in progress.

Church (alts. and add.), Penbrook, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owners, Church of God, Penbrook, Pa. General interior alterations, maple and linoleum floors, art glass. Plans in progress.

Residence (add. and alts.) to Offices and Stores, Third and Locust streets, Harrisburg. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owners, Parkside Building Corp., Harrisburg, Pa. Brick, 3 stories, 40x80 feet, slag roof, pine floors, plate glass, copper work, heating extension, electric work. Plans in progress.

Residence, Drexel Hill, Pa. Architect, F. P. Canavan, 7032 Greenway avenue, Philadelphia. Owner, Elmer J. Smith, 1247 North Twelfth street, Philadelphia. Brick, 2½ stories, 32x38 feet, slate roof, hardwood and pine floors, hot water heat, electric light. Plans completed.

Residence, Drexel Hill, Pa. Architect, F. P. Canavan, 7032 Greenway avenue, Philadelphia. Owner, F. White, 801 Franklin Trust Building, Philadelphia. Stone, 2½ stories, 32x35 feet, asbestos shingle roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Residence and Garage, Dekalb and Rogab streets, Norristown, Pa. Architect, H. G. McMurtrie, 1012 Walnut street, Philadelphia. Owner, name withheld. Stone, 2½ stories, 35x40 feet, 20x25 feet, slate roof, hardwood and cement floors, hot water heat, electric light. Plans in progress.

Philips Memorial Auditorium, West Chester, Pa., \$300,000. Architects, Price & Walton, 119 South Fourth street, Philadelphia. Owners, West Chester Normal School, R. Anderson, West Chester, Pa. Stone, steel, concrete, 1 story and 2 stories, 64x162 feet. Plans completed. Will be ready for bids in ten days.

Residence, Phoenixville, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royers-

ford, Pa. Owner, J. Walter Waitneight, 363 Second avenue, Phoenixville, Pa. Brick, 2 stories, 39x28 feet, asbestos roof, oak and tile floors (heating, plumbing and light reserved), tile work, wood sash, Morgan doors, bond. Plans in progress.

Residence and Garage, Second and Manor streets, Harrisburg, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owner, Charles W. Burtnett, 1631 North Second street, Harrisburg. Stone, 2½ stories, 40x60 feet, 1 story, 24x24 feet, slate roof, hardwood floors, hot water heat, electric light tile and marble. Plans in progress.

Show Room, Reading, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owners, Corbit Brothers, Third and Oley streets, Reading, Pa. Brick, concrete, cut stone, 2 stories, 80x60 feet, composition roof, tile and rubberoid floors, waterproofing and dampproofing, iron stairs, steam heat, electric light, steel sash. Revised plans in progress.

Community Center, Birdsboro, Pa. Architect, C. J. Young, 226 North Sixth street, Reading, Pa. Owners, Fraternal Order of Orioles, 116 Birdsboro, Pa. Brick, structural steel, 1 story and basement, 60x125 feet, built-up roof, hardwood and concrete floors, waterproofing, steel stairs, metal lath, electric light. Architect ready for bids.

School, Fifth and Spring streets, Reading, Pa. Architect, Miles B. Dechant, 632 Washington street, Reading, Pa. Owners, Reading School Board, Eighth and Washington streets, Reading. Brick, 2 stories, 85x113 feet, concrete roof, concrete and composition floors, hollow tile, safety treads, roof ventilators, waterproofing and dampproofing, electric work (heating, plumbing and electric separate), iron stairs. Owners ready for bids.

Church (alts. and add.), Pottstown, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, Greek Catholic Church, Rev. Zeno Chanath, Pottstown. Steel, brick, stucco, 1 story, 42x40 feet slate roof, pine floors, steam heat, electric light tile work, copper, ornamental iron. Architect ready for bids.

High School and Gymnasium, Shillington, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owners, Shillington School Board, E. L. Sands, secretary, Shillington, Pa. Fireproof, 2 stories, 170x100 feet, asphalt roof, maple floors, hollow tile, safety treads, roof ventilators, tile work (heating, plumbing and electric separate). Architect taking bids due April 27th.

Residences (12), Reading, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owner, Maurice Shapiro, Atlantic City, N. J. Brick, concrete block, 2 stories, 15x42 feet, composition roof, pine floors, hot water heat, electric light, tile work. Owner will sub-let.

Twin Residences (50), Norristown, Pa. Architect, F. P. Canavan, 7032 Greenway avenue, Philadelphia. Owner, F. R. White, 801 Franklin Trust Building, Philadelphia. Frame, stucco, 2½ stories, 22x26 feet, hot water heat, electric light, wood shingle roof, hardwood and pine floors. Plans completed. Owner taking sub-bids.

Residence and Garage, Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, Frank Tomlinson, Lancaster, Pa. Cinder block, 2 stories, 60x28 feet, stucco, shingle roof, hardwood floors, hot water heat, electric light, tile work. Owner taking bids.

Stores and Apartments, Borough of Glendon, Pa. Architect and engineer, M. M. Boonin, 17 South Seventeenth street, Philadelphia. Owner, D. Persin, 635 Parker avenue, Collingdale, Pa. Stone, brick, concrete, 2 stories, 30x80 feet, irregular, slag and shingle roof, pine floors, hot water heat, electric light, flush bulks, tile work. Owner taking sub-bids due as soon as possible.

Residences (12), Paxton street, near Seventeenth street, Harrisburg, Pa. Architect, private plans. Owner, William S. Harris, 219 South Thirteenth street, Harrisburg, Pa. Brick, 2½ stories, 16x40 feet, asphalt shingle roof, hardwood and pine floors, steam heat. Owner will build.

Residences (5), Stores (1), Lansdowne, Pa. Architect, F. P. Canavan, 7032 Greenway avenue, Philadelphia. Owner, Albert A. Shatton, 6142 Pine street, Philadelphia. Brick, 2 stories, 16x36 feet, slag roof, hardwood and pine floors, cement floors, hot water heat, electric light, metal lath, tile work, basement garages. Plans completed. Owner ready for sub-bids.

Store and Apartment, Elkins Park, Pa. Architects, Tilden & Register, 1520 Locust street, Philadelphia. Owners, Elkins Park Realty Co., Elkins Park, Pa. Brick, steel, 3 stories, 45x38 feet, 32x44 feet, slate roof, oak and pine floors, plumbing, hot water heat, electric light, tile work. Architects taking bids due as soon as possible.

Church, Lititz, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Church of the Brethren, G. Merrick, secretary, Lititz, Pa. Brick, 1 story and basement, 99x73 feet, slate roof, concrete and maple floors, waterproofing, cast stone, hot water heat, electric work. Architects taking bids due April 23rd.

Garage, Lancaster, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owner, H. Ziegler, care of architect. Cinder block or brick and structural steel, 1 story, 75x150 feet, built-up roof, concrete floors, electric light, floor hardener. Architect taking bids due April 18th.

Residence, Meadowbrook, Pa. Architect, H. Trumbauer, Land Title Building, Philadelphia. Owners, Herkness & Stetson, Land Title Building, Philadelphia. Stone, 2½ stories, 55x25 feet, shingle roof, oak and pine floors, hot water heat, electric light, tile work, ornamental iron work. Architect taking bids due April 16th.

Residence, Haverford, Pa. Architects, McIlvaine & Roberts, Otis Building, Philadelphia. Owner, John Condon, care of architects. Concrete block and stucco, 2½ stories, 75x30 feet, shingle roof, oak and pine floors, hot water heat, electric light, tile work, bond. Architects taking bids due as soon as possible.

Grade and High School (add.), Oxford, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, Oxford School Board, Mr. Collins, secretary, Farmers' Bank Building, Oxford, Pa. Brick, structural steel, 2 stories, gymnasium in basement, 60x60 feet, slag roof, pine floors, safety treads, roof ventilators, waterproofing and dampproofing, terra cotta, skylights (heating, plumbing and electric separate). Architect taking bids due April 27th.

Sewage Treatment, Cornwells, Pa. Architect, Emil G. Perrot, 1211 Arch street, Philadelphia. Owners, St. Elizabeth's Convent, Cornwells, Pa. Architect taking bids due April 22nd.

Studio and Residence, Orange street, Lancaster, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owner, George Killian, 26 East King street, Lancaster, Pa. Cinder block and stucco, 2 stories, 35x65 feet, slate roof, hardwood floors, electric light, tile work. Architect taking bids.

Dairy Barn (add.), including Feed Room, Silos, Laurelton, Pa. Architect, George S. Idell, Corn Exchange Building, Philadelphia. Owners, Board of Managers, Dr. M. Wolfe, Laurelton State College, Laurelton, Pa. Concrete block, 2 stories, 13 feet 6 inches x 25 feet, silos (2), 11 feet diameter, electric light, asbestos roof, cement and plank floors, plumbing. Architect taking bids due April 18th, 9 A. M. Plans may be secured from architect

or owner upon deposit \$5.00, which will be refunded upon return of the plans not later than April 25th.

Store and Apartment (alts. and add.), Shenandoah, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owner, Leonard Davison, 113 North Main street, Shenandoah, Pa. Steel, brick, frame, 4 stories, 73x34 feet, composition roof, yellow pine floors, elevators, metal ceilings, steam heat, electric light, tile work, copper store front, plate glass. Architect taking bids.

School (add.), Greensburg, Pa. Architects, M. E. Kressley Co., 214 North Third street, Harrisburg, Pa. Owners, Greensburg School Board, Mary R. Peoples, secretary, Greensburg, Pa. Fireproof, 2 and 3 stories and basement, 160x260 feet, composition and wood floors, composition and tile roof, electric light (heating, plumbing and electric work separate), roof ventilators, waterproofing and dampproofing, ornamental iron work, iron stairs, bond, fire doors, skylights, steel sash, tile work, metal lath. Owners will take bids at end of month due May 12th.

Grade School, East Honesdale, Pa. Architects, E. H. Davis and George M. D. Lewis, Union Bank Building, Scranton. Owners, Honesdale School Board, A. A. Leine, secretary, Honesdale, Pa. Brick, fireproof, 2 stories, 8 rooms, slag roof, pine floors, safety treads, roof ventilators (heating, electric and plumbing separate), metal lath, steel sash, skylights, iron stairs, waterproofing. Owners taking bids due April 20th at 7 P. M.

Grade School, West Honesdale, Pa. Architects, E. H. Davis and George M. D. Lewis, Union Bank Building, Scranton. Owners, Honesdale School Board, A. A. Leine, secretary, Honesdale, Pa. Brick, 2 stories, 8 rooms, slag roof, pine floors, safety treads, roof ventilators, waterproofing, metal lath, steel sash, skylights, iron stairs, ornamental iron (heating, plumbing, electric separate). Owners taking bids due April 20th at 7 P. M.

Pennsylvania Contracts Awarded

Terminal Warehouse, Bethlehem, Pa., \$900,000. Architects, Morris & Dunford, 110 East Forty-second street, New York City. Owners, Lehigh & New England Terminal Warehousing Co., care of A. Merston, Land Title Building, Philadelphia. Brick, structural concrete, elevators, steel, 7 stories and basement, 200x150 feet, slag roof, cement floors, plumbing, metal window guards, shoring, waterproofing and dampproofing, ornamental iron work, floor hardener, fire and kalamein doors, rolling steel skylights and sash, tile, marble and terrazzo work, metal lath, steam heat, electric light, ornamental plastering, precast concrete, wrought iron pipe. Contract just signed, Cramp Co., Denckla Building, Philadelphia. Work about to start.

Sunday School, Hazleton, Pa. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, Christ Lutheran Church, Hazleton, Pa. Stone, brick, cut stone, steel, limestone, 2 stories and basement, 116x77 feet, built-up and asbestos shingle roof, rubber, oak and maple, cement floors, steam heat, electric, metal lath, hollow metal sash, kalamein doors, floor hardener, ornamental iron work, plumbing, hollow tile, waterproofing, ornamental iron, granite, steel partitions, flagstone, slate work, galvanized wrought iron and cast iron pipe. Contract awarded Itter Bros., Hazleton, Pa.

Parochial School, Buttonwood, Oak and Marshall streets, Norristown, Pa. Associate architects, F. V. Nickels and C. J. Mitchell, 15 South Twenty-first street, Philadelphia. Owners, St. Francis' Roman Catholic Church,

Rev. F. J. Rose, D. D., on premises. Foxcroft stone, 2 stories and basement, 64x145 feet, vapor heat, electric light, slate roof, maple floors, tile work, will contain gymnasium, auditorium, etc., plumbing, showers. Contract awarded Frank Schuler, Norristown, Pa.

Silk Mill, Lancaster, Pa. Architect, C. Emilen Urban, Woolworth Building, Lancaster, Pa. Owners, Siehli Silk Co., care of architect. Structural steel and brick, 3 stories, 162x44 feet, Barrett roof, cement and linoleum floors, steam heat, electric light. Contract awarded to D. S. Warfel, 39 East Grant street, Lancaster, Pa.

Residence, Ambler, Pa. Architects, C. E. Schermerhorn and W. K. Phillips, 213 South Fifth street, Philadelphia. Owner, Mr. M. Schwartz, care of architect. Brick, stone, slag roof, pine and oak floors, 2 stories, 20x97 feet, skylights, plumbing, hot water heat, electric light, bulk, copper front, cement work. Contract awarded D. D. Nyce, Doylestown, Pa.

Garage and Chauffeur's Quarters, Springfield, Pa. Architect, W. W. Price, 119 North Fourth street, Philadelphia. Owner, Miss Alice Campbell, Springfield, Pa. Frame, 2 stories, 23x26 feet, shingle roof, cement and pine floors, hot water heat, electric light, tile work. Contract awarded H. H. Walton, Moylan, Pa.

Furniture Store, West Chester, Pa. Architect, Ira P. Orlick, 1312 South Fifth street, Philadelphia. Owner, William J. Kauffman, West Chester, Pa. Brick, cut stone, steel, reinforced concrete, 3 stories and basement, 167x30 feet (plumbing, heating, electric elevator reserved), slag roof, maple floors, metal lath, marble and terrazzo work, rolling steel doors, metal ceilings, ornamental iron work, metal window frames, ornamental bronze. Contract awarded William Francis, West Chester, Pa.

Residence and Garage, Cottage and Cooper-town road, Haverford, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, George R. Sinnickson, Esq., care of architect. Stone, cut stone, limestone (heating, plumbing, electric, weather stripping reserved), shingle roof, oak, pine and cement floors, tile work, ornamental iron work. Contract awarded to J. E. Kearney, Wynnewood road, Wynnewood, Pa.

Residence and Garage, Phoenixville, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, Carl H. Weiland, 393 Second avenue, Phoenixville, Pa. Brick, stone, 2½ stories, 28x31 feet, asbestos roof, oak and tile floors (heating, plumbing, lighting and tile work reserved). Contract awarded to William H. Wiand, Pottstown, Pa.

Residence, Merion, Pa. Architect, Robert R. McGoodwin, 1600 Walnut street, Philadelphia. Owner, Mr. Wilford, care of architect. Stone, 2½ stories, slate roof, pine and oak floors, hot water, electric light, tile work. Contract awarded Metzger, Fisher & White, Otis Building, Philadelphia.

Residence, Ardmore, Pa. Architect, H. L. Duhring, 1308 Locust street, Philadelphia. Owner, J. Kunkel, care of architect. Stone, brick, 2½ and 1½ stories, 85x51 feet, garage, 30x18 feet, shingle roof, oak and pine floors, painting and glazing, tile work, ornamental iron work, bluestone (heating, plumbing, electric reserved). Contract awarded J. Reilly & Son, Forrest avenue, Mt. Airy, Pa.

Store and Office (3) (alts. and add.), 658 Penn street, Reading. Architect, M. B. Dechant, 632 Washington street, Reading, Pa. Owners, American Medicine Co., 26 South Seventh street, Reading, Pa. Brick, 3 stories, general interior alterations. Contract awarded to L. W. Hunsicker, Allentown, Pa.

Factory (add.), Lancaster, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, K. D. Mfg. Co., 510

North Plum street, Lancaster, Pa. Concrete block, 1 story, 50x100 feet, slag roof, maple floors. Contract awarded to D. S. Warfel, 39 East Grant street, Lancaster, Pa.

New Jersey Construction News

Art Museum, near Cooper River (city property), Camden, N. J., \$4,000,000. Associate architects, J. Haverson and Paul Cret, Otis Building, Philadelphia. Owners, City of Camden, N. J. Stone, steel, brick, 1 story. Work contemplated.

School, Harrisonville, N. J. Architects, Edwards and Green, Camden, N. J. Owners, School Board of Harrison Township, J. E. Sharp, Mullica Hill, N. J. Brick, 2 stories. Preliminary plans in progress.

Folwell Building, Mt. Holly, N. J. Architect, E. A. Wightman, Bankers' Trust Building, Philadelphia. Owners, Board of Freeholders, Mt. Holly, N. J. General alterations. Preliminary plans in progress.

Residences (2) and Garages, Ocean City Gardens, N. J. Architect, private plans. Owners, F. W. Sinclair and Albert Griggs, Medical Arts Building, Philadelphia. Cinder block and stucco, 2 stories, 44x26 feet, garage, 22x16 feet, Spanish tile roof, oak and pine floors, hot water heat, electric light, tile work, rubber floors. Owners taking sub-bids.

Store Front, 3614 Walnut street, Philadelphia. Architect, F. P. Canavan, 7032 Greenway avenue, Philadelphia. Owner, Albert A. Shatton, 6142 Pine street, Philadelphia. New front, plate glass, metal bulks. Owner ready for sub-bids.

Operation of Bungalows, Beach Haven, N. J. Architect, F. P. Canavan, 7032 Greenway avenue, Philadelphia. Owner, C. M. Baugh, care of Beach Haven, care of Seaview Realty Co., 1524 Chestnut street, Philadelphia. Frame, 1½ stories, 20x36 feet each, shingle roof, pine floors, plumbing, pipeless heat, electric light. Plans completed. Owner will build and will take sub-bids on first two in one month.

Apartment House, Kaighn and Baird avenue, Parkside, Camden, N. J. Architect, Herbert N. Moffett, Camden, N. J. Owner, Benjamin Natal, 1247 Princess avenue, Camden, N. J. Brick, 2 stories, 40x100 feet, slag roof, hardwood and composition roof, vapor heat, electric light. Owner ready for sub-bids in one week.

West Side High School, Kensington Place and South Orange avenue, Newark, N. J. Architects, Guilbert & Betelle, Newark, N. J. Owners, Board of Education, Newark, N. J. Brick, reinforced concrete, cut stone, steel, 3 stories and basement, 197x157 feet, wing 83x70 feet, slag roof, cement, maple and linoleum floors, elevators, plumbing, metal window guards, dampproofing, salt glazed terra cotta coping, ornamental iron work, iron stairs, bond, kalamein doors, rolled steel skylights, tile, marble and terrazzo work, metal lath, electric light, steam heat, bluestone, granite, limestone, metal toilet partitions, wrought iron pipe (plumbing, heating, lighting, ventilating separate). Owners taking bids due April 23rd.

Grade School, Williamstown, N. J. Architects, Hill & Gollner, Broad Street Bank Building, Trenton, N. J. Owners, Board of Education of Williamstown, Theo. C. Dilks, Williamstown, N. J. Brick, steel, 2 stories and basement, 116x78 feet, slate and slag roof, maple floors, hollow tile, safety treads, roof ventilators (heating, plumbing and electric work separate), metal lath, steel skylights, fire doors, iron stairs. Owners taking bids due April 22nd.

Bath House, Lansdowne avenue, West of Broadway, Camden, N. J. Architect, J. S. Fuller, 5438 Locust street, Philadelphia. Owners, Blank, Yubas & Bernstein, 431 Kaighn avenue, Camden, N. J. Brick, steel, 2 stories and basement, 42x85 feet, slag roof, pine floors, cement and concrete work, swimming pool, metal ceilings, 10,000 gallon storage tank, waterproofing, ornamental and structural iron work, oil burning system, tile and marble work, steam heat, electric light, showers. Owners taking bids.

Ferry House, Pennsville, N. J. Naval architects, Chapman & Fisher, 524 Walnut street, Philadelphia. Owners, New Castle-Pennsville Ferry Corp., Pennsville, N. J. Frame, 1 story, piling. Engineers taking bids due April 14th.

Residences (14), 3000-38 Stevens street, Camden, N. J., \$63,000. Architect, private plans. Owners, Tomlinson & Goodfellow, 259 South Twenty-seventh street, Camden, N. J. Brick, 2 stories, 16 feet 4 inches x 40 feet, slag roof, hot water heat, electric light. Owners will build.

Residences (10), 1337-61 Jackson street, Camden, N. J., \$50,000. Architect, private plans. Owner, Bruno J. Wilinski, 1213 Mt. Ephraim avenue, Camden, N. J. Brick, 2 stories, 16x45 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Schools (3), Clarksboro, N. J.; Mickleton, N. J.; Mt. Royal, N. J. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Greenwich Township School Board, I. H. Davidson, Thirteenth and Market streets. Low bidders: (1) Clarksboro, (2) Mt. Royal, (3) Mickleton, (4) total bid if all three contracts awarded together. Woodland Const. Co., Sixty-fifth and Chester avenue, Philadelphia: (1) \$32,093; (2) \$34,831; (3) \$37,629; (4) \$101,553. W. A. Sutton, Salem, N. J.: (1) \$35,923; (3) \$38,976; (4) \$110,979. Wills-Bill Co., 1706 Sansom street, Philadelphia: (2) \$39,993. Electric, Dalton Brothers, care of owners: (1) \$491.60; (2) \$592.20; (3) \$661; (4) \$1,744. Plumbing, J. W. Matthews, Audubon, N. J.: (1) \$3,090; (2) \$3,290; (3) \$3,320; (4) \$9,500. Heating, Deckman Heating, Power, Refrigeration Co., Woodlynne, N. J.: (4) \$10,250.

New Jersey Contracts Awarded

County Jail (alts. and add.), May's Landing, N. J., \$13,584. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City. Owners, Atlantic County Freeholders, May's Landing, N. J. Steel cells, general alterations, plumbing gratings (steel cells, plumbing and sewage separate), composition floors, Barrett roof. Contract awarded to Lam Building Co., Humphrey Building, Atlantic City. Steel cells, Fries & Son, Covington, Ky., \$20,290. Plumbing, David H. Moore, Atlantic City, N. J., \$13,405. Electric, Electric Equipment Co., Atlantic City, N. J., \$881. Heating, John H. Moore & Son, Atlantic City, N. J., \$2,450. Sewage plant, P. G. Hannum, Atlantic City, N. J., \$14,794.

County Clerks' Office, May's Landing, Atlantic City, N. J. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City, N. J. Owners, Atlantic County Freeholders, May's Landing, N. J. Brick, reinforced concrete, steel, 2 stories and basement, 31x66 feet, Barrett roof, hollow tile, concrete and composition floors, waterproofing, iron window frames, iron stairs, wrought iron pipes, bond, rolled steel shutters (plumbing, electric, heating, ventilating separate), skylights, steel locker rooms, steel shutters. Contract awarded to Lam Building Co., Atlantic

City, N. J., \$60,748. Plumbing, Walter M. Jarman, Atlantic City, N. J., \$2,153. Electric, Electrical Equip. Co., Atlantic City, N. J., \$1,784. Heating and ventilating, W. H. Jarman, Atlantic City, N. J., \$10,548.

Apartment Hotel, Atlantic City, N. J. Owners, President Hotel Corporation, Atlantic City, N. J. Brick, steel, concrete, stone, 11 stories and basement, 506 rooms, slag roof, hardwood, pine, cement floors, electric light, steam heat, terra cotta, tile and marble work, elevators. Contract awarded to Joslin Const. Co., 354 West Twenty-fourth street, New York City.

Factory, location withheld. Architect, private plans. Owner, name withheld. Cement block, brick, concrete, 2 stories and basement, 64x30 feet, tin roof, cement floors, mill work, carpentry, steel work, metal lath. Contract awarded J. D. Lawrence, Westville, N. J., who is taking sub-bids.

School, Alloway Township, N. J., \$39,000. Architect, Walter L. Custer, Bridgeton, N. J. Owners, Board of School Directors, Alloway, Salem County, N. J. Reinforced concrete, brick, steel, 1 story and basement, 123x80 feet, slag roof, pine floors, hollow tile, painting and glazing, roof ventilators, metal lath, hollow metal doors, bond, ornamental iron work, cast stone, copings, sangmetal toilet partitions, metal cornice beads (plumbing, heating and electric separate). Contract awarded John M. Yardley, 1730 Sansom street, Philadelphia.

School, Hainesport, N. J. Architects, P. I. Fowler Co., Fitzcharles Building, Trenton, N. J. Owners, Lumberton Township Board of Education, M. C. Gaunet, president, Hainesport, N. J. Brick, steel, 2 stories, 130x45 feet, slag roof, pine floors, hollow tile, safety treads, roof ventilators, metal ceilings, iron stairs fire doors, rolled steel sash (heating, ventilating, electric and plumbing separate). Contract awarded to Woodland Const. Co., Sixty-fifth and Chester avenue, Philadelphia, \$31,546. Electric, Mercer Electric Co., Trenton, N. J., \$895. Plumbing, George Worrell, Mt. Holly, N. J., \$2,018.23. Heating and ventilating, George Orfe, Riverside, N. J., \$6,151.14.

Cafeteria Building (alts. and add.), St. James Place and Boardwalk, Atlantic City, N. J. Architect, F. A. Berry, Real Estate Trust Building, Philadelphia. Owner, St. James Cafeteria, Atlantic City, N. J. Brick, stucco, 1 story, mezzanine and second story, 37 feet 6 inches x 62 feet, slag and tin roof, tile floors, wainscoting (electric work and fixtures reserved), ornamental iron work. Contracts awarded: P. G. Hannum, Atlantic City, N. J.; kitchen equipment, W. F. Dougherty, 1009 Arch street, Philadelphia; plumbing, David Moore, Atlantic City, N. J.

Factory, Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton. Owner, Trenton Potteries Co., Clinton and Ott streets, Trenton. Brick, steel, 4 stories, 100x50 feet, slag roof, concrete floors, elevators, roof ventilators, cut stone, iron stairs, fire doors, rolled steel sash, metal lath (elevator, heating, plumbing and electric separate). Contract awarded to S. W. Mather & Son, 300 Maple street, Trenton.

Wedge Kiln Building, Paulsboro, N. J. Architect, private plans. Owners, Vacuum Oil Co., Paulsboro, N. J. Brick, steel, corrugated siding, 4 stories, 47x54 feet, slag and gypsum roof, cement floors, rolled steel sash, fire doors. Contract awarded White Const. Co., Jefferson Building, Philadelphia.

Church (alts. and add.), Trenton, N. J. Architects, Hill & Gollner, Broad Street Bank Building, Trenton, N. J. Owners, Prospect Street Presbyterian Church, E. D. Voorhees, 501 West State street, Trenton, N. J. Local stone, steel, 2 stories, 53x91 feet, slate roof, pine and linoleum floors, steam heat, electric

light, metal lath, tile. Contract awarded to S. W. Mather & Son, 300 Maple street, Trenton.

Bank (alts. and add.), Trenton, N. J. Architect, Robert Consolloy, Commonwealth Building, Trenton, N. J. Owners, Hanover Trust Co., N. A. K. Bugbee, Broad and Perry streets, Trenton, N. J. Brick, concrete, 2 stories, 60x60 feet, slag roof, marble floors, heating extension, electric light, tile, terra cotta, ornamental iron. Contract awarded to Harrison & Fisher, Trenton, N. J.

Bank, West Collingswood, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, Memorial National Bank, John Bottomley, West Collingswood. Chestnut Hill stone, structural steel, 1 story and mezzanine, 35x50 feet, slate roof, metal lath, electric work, ornamental iron work. Contract awarded to J. W. Draper, 436 Haddon avenue, Camden, N. J.

Residence, 1306 Thurman street, Camden, N. J., \$5,200. Architect, private plans. Owner, Alex. Borecki, 1199 Thurman street, Camden, N. J. Brick, 2 stories, 14 feet 8 inches x 46 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Dominick Caruso, 503 South Fourth street, Camden, N. J.

Residence, 1164 Thurman street, Camden, N. J., \$15,000. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, Dr. B. Wroblewski, 1190 Atlantic avenue, Camden, N. J. Brick, 2 stories, 30x57 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to John L. Hahn, West Collingswood, N. J.

Garage, 1211 South Sixth street, Camden, N. J., \$8,000. Architect, private plans. Owner, Harry Leitchman, care of builder. Brick, 1 story, 40x110 feet, slag roof, cement floors. Contract awarded to A. Waemick, 907 Atlantic avenue, Camden, N. J.

Residences (2), 334-36 North Forty-first street, Camden, N. J., \$5,800. Architect, private plans. Owner, Kate Bentley, 714 Linden street, Camden, N. J. Frame, 2 stories, 15x38 feet 6 inches, slag roof, hot air heat, electric light. Contract awarded to Albert J. Gruber, 410 North Seventh street, Camden, N. J.

Miscellaneous Construction News

School, Kerhonkson, N. Y. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Kerhonkson School Board, Kerhonkson, N. Y. Architects selected.

High and Grade School, Jarrettsville, Harford County, Md. Architect, J. Hamme, City Bank Building, York, Pa. Owners, Harford School Commissioners, M. C. Weight, secretary, Court House, Belair, Md. Brick, 2 stories, 58x105 feet, composition roof, safety treads, roof ventilators (heating, plumbing and electric separate). Owners taking bids.

Miscellaneous Contracts Awarded

High School (alts. and add.), Mechaniesville, N. Y. Architects, Simpson & Rolston, Inc., 622 Essex Building, Newark, N. J. Owners, School District No. 10, Town of Halfmoon and Stillwater, N. Y. Brick, steel, 3 stories and basement, 78x127 feet, slag roof, maple floors, elevators, plumbing, metal weather strip, waterproofing, ornamental iron work, ornamental plaster, wrought iron pipe, artificial stone, kalamein doors, rolled steel sash, metal lath, steam heat, electric light. Contract awarded T. M. Gibbs Cont. Co., Corn Exchange Building, Philadelphia.

Proposal

ADVERTISEMENT FOR THE CONSTRUCTION OF CUSTODIAL INSANE BUILDING, COVERED BRIDGE, NURSES' HOME, AND ALTERATIONS TO EXISTING INSANE ASYLUM BUILDING, FOR THE COUNTY OF CAMDEN, NEW JERSEY

Public notice is hereby given that sealed proposals for furnishing labor and materials to construct and equip the following buildings: Custodial Insane Building, Covered Bridge, Nurses Home and Alterations to Existing Insane Asylum for the County of Camden, New Jersey, will be received and opened by the chairman of the Insane Hospital Committee of the Board of Chosen Freeholders of Camden County in the meeting room of the Board of Chosen Freeholders, in the Court House, Camden, New Jersey, on the 11th day of May, 1925, at 2 P. M., Standard Time; 3 P. M., Daylight Saving Time.

All the above mentioned buildings are to be located as shown on a plot plan; on land near Asyla and south of Blackwood in the Township of Gloucester, Camden County, New Jersey, and belonging to the County of Camden.

The work for which proposals are hereby invited, and for which bids will be received covers the complete construction of the above mentioned buildings, including Heating and Ventilating, Plumbing, Electric work, Electric Fixtures.

The right is reserved to accept or to reject any or all proposals or to waive any informality in any proposal presented. All bids must be in sealed envelopes endorsed "Proposal for Insane Hospital Committee" and stating the branch of work covered. No bid will be considered unless accompanied by a certified check to the order of the County of Camden, or cash in the amount of 10% of the bid (in no case to exceed the sum of \$20,000.00) and also a statement from a Surety Company that it will provide the Contractor with a bond, binding the bidder to perform the contract if awarded to him. The terms of the proposal and bond with surety required are fixed by the specifications.

Copies of the drawings and specifications will be on file at the office of the Architect for the purpose of estimating. A limited number of copies of the plans and specifications will be loaned to prospective bidders on deposit of a certified check to the Architect's order in the sum of ONE HUNDRED (\$100.00) DOLLARS for each set of drawings and specifications. These plans and specifications may be obtained by application in person to Walter W. Sharpley, Architect, 225 Washington Square, East, Philadelphia, Pa.

If plans and specifications are returned, cash in the amount of \$90 will be returned, but should they not be returned the deposit may become forfeited.

County of Camden, a municipal Corporation of New Jersey by the Committee of the Board of Chosen Freeholders on Insane Hospital, Maurice B. Rudderow, Chairman.

ADVERTISEMENT FOR THE CONSTRUCTION OF AN ISOLATION BUILDING, INFIRMARY BUILDING, CONNECTING CORRIDORS, AND KITCHEN, FOR THE COUNTY OF CAMDEN, NEW JERSEY

Public notice is hereby given that sealed proposals for furnishing labor and materials to construct and equip the following buildings: An Isolation Building, Infirmary Building, Connecting Corridors and Kitchen for the County of Camden, New Jersey, will be received and opened by the Chairman of the

County Farms Committee of the Board of Chosen Freeholders of Camden County in the Meeting Room of the Board of Chosen Freeholders, in the Court House, Camden, New Jersey, on the 11th day of May, 1925, at 1 P. M., Standard Time; 2 P. M., Daylight Saving Time.

All the above mentioned buildings are to be located as shown on a plot plan; on land near Asyla and south of Blackwood in the Township of Gloucester, Camden County, New Jersey, and belonging to the County of Camden.

The work for which proposals are hereby invited, and for which bids will be received covers the complete construction of the above mentioned buildings, including Heating and Ventilating, Plumbing, Electric work, Electric Fixtures.

The right is reserved to accept or to reject any or all proposals or to waive any informality in any proposal presented. All bids must be in sealed envelopes endorsed "Proposal for County Farms Committee" and stating the branch of work covered. No bid will be considered unless accompanied by a certified check to the order of the County of Camden, or cash in the amount of 10% of the bid (in no case to exceed the sum of \$20,000.00) and also a statement from a Surety Company that it will provide the Contractor with a bond, binding the bidder

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to execute a contract if awarded to him. The terms of the proposal with surety required are fixed by the Specifications.

Copies of the drawings and specifications will be on file at the office of the Architect for the purpose of estimating. A limited number of copies of the plans and specifications will be loaned to prospective bidders on deposit of a certified check to the Architect's order in the sum of ONE HUNDRED (\$100.00) DOLLARS for each set of drawings and specifications. These plans and specifications may be obtained by application to Walter W. Sharpley, Architect, 225 Washington Square, East, Philadelphia, Pa.

If plans and specifications are returned, cash in the amount of \$90 will be returned, but should they not be returned the deposit may become forfeited.

County of Camden, a municipal Corporation of New Jersey by the Committee of the Board of Chosen Freeholders on County Farms, George A. Waite, Chairman.

(Continued from page 228)

struction business, including designing and equipment work, reports that 1924 was one of the best years in its history, and that it is likely that 1925, from the present outlook, will be much better both in volume of business obtained, and in service rendered to its customers.

As a matter of interest, a careful check of figures for the past year shows that the so-called standard buildings were approximately 50% of the total volume of business handled, and that, in spite of a number of down-town developments for warehouse and loft building work, the tendency of industry is very much toward outlying single-story construction.

There are decided trends in the design of industrial plants, according to Frank D. Chase, president, Frank D. Chase, Incorporated. He outlines in this article the present attitude toward plant location, one-story versus multi-story buildings, and such details as roofs, materials of construction, and employee consideration.

THE trend of the physical plant is not behind other industrial activities. Years ago a factory happened or just grew hit or miss. Today, factories do not happen. The modern factory must "fit."

During the last 20 years manufacturers of this country have tended, often at great cost, to the conclusion that the factory is more than a floor, roof, and four walls. The maker of goods on a large scale is gradually moving toward the fact that the physical plant is usually the most important phase of his establishment; that it is in itself the machine in which, and by means of which, his business must be run.

His years of often costly experience now impel the manufacturer generally to accept as the new laws of industry

that it is more economical, therefore more efficient, to find the right location for his plant, to expand his plant horizontally rather than perpendicularly; that sanitation and safety, natural ventilation, and illumination are conducive to dividends; that the layout and type of construction of his factory are determined by the character of the work to be done; that in many instances an old plant physically rehabilitated along scientific lines reduces production costs, and costs less, and often serves better than a new factory; that plants generally are operated more efficiently in the smaller cities than in the very large cities; that mechanical operation is preferable to manual labor; that the placement of any piece of equipment in a plant must bear a pre-determined relationship to other equipment; that the various processes of manufacture, from first to last, must be in proper order and sequence; and that prevision, the ability to anticipate the needs caused by future growth, is an essential to proper development. These are, at the present moment, the various phases of the trend of the modern industrial plant.

The trend toward the right location is one of primary interest, and is noticeable in many industries. "Pittsburgh plus" is responsible for chaos at the moment in the steel industry. The amount of production and of consumption of steel and steel products remain unchanged, but there will be a new line-up of "accounts." This means real sales organization for some hitherto lethargic manufacturer.

The textile industry trends toward the south—changing freight rates, labor supply and markets are responsible for this.

Eastern manufacturers are seeking the mid-west market through local plants. The increased freight rates are responsible for this, in a measure.

A new location means a scientific analysis of requirements. The old days of a bonus by a city are past. Today, alluring advertising of cities' advantages may trap the unwary.

The trend is to analyze the needs of the industry and then fit them to a city or town.

Freight from source of raw-material supply to factory and on finished products to market, limit immediately the geographical location. Then comes suitable land, railroad and trucking facilities, labor (kind and quality) taxes, power, water, sewage, and many other similar considerations, all needing the study of the engineer.

There is only one way in which to expand perpendicularly from a given point; that way is upward, of course. But there are four ways in which to grow horizontally from any point. Modern

industry tends toward or follows the latter method.

The salient thought after birth is growth. When a business is started, one objective is, or should be, to grow. The manufacturer of today heeding the modern trend, pictures his plant expanding outwardly or horizontally rather than upwardly. The former is the less expensive. Horizontal growth of a plant presupposes that the site, that is, the land, is cheap. The reason most plants grow upwardly is that the surrounding land has become too costly to build outwardly. Thus, the manufacturer of today tends to buy tracts of land by the acre, bearing in mind the relation of the location to the supply of labor and of raw material, to fuel or power, to water supply, to transportation, to markets, and to the hazards of fire or flood. The plant which extends horizontally is more flexible than that which rises perpendicularly. It is easier and cheaper, as a rule, to manufacture on a line straight ahead than up and down.

"Industry Learned Its Lesson"

It was not so long ago that no matter how old, unsafe, or unsanitary a building was it was considered good enough for those who worked in it. Then came the perceptible effects of such a course, sick, discontented, impoverished, and maimed men, women, and children. There ensued a popular reaction in the form of laws prohibiting such conditions, statutes holding the employer responsible in part for the welfare of the workers. Industry learned its lesson—the cost of keeping labor well and happy is converted into gain.

Industry today tends ever more in the construction or design and operation of its plants toward natural means of ventilation and light. Its buildings reveal a tendency toward admitting as much sunlight as possible; toward an even, normal temperature, that is, of fresh air; toward safety devices around and on machines; toward the installation of such safeguards against fire as steel doors and fire-resisting windows, fire-proof roofs, partitions and floors, sprinkler systems, tanks, fire companies, and fire-fighting apparatus.

Natural light and ventilation depend on the contour of the building and should and usually can be obtained. There are only occasional instances in which artificial ventilation is necessary or beneficial to the operatives or to processes of manufacture. Proper artificial light sometimes increases production from 15% to 25%. Good lighting, therefore, means a good investment. Good ventilation means greater output.

(Continued next week.)

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Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XL, No. 16
April 22, 1925

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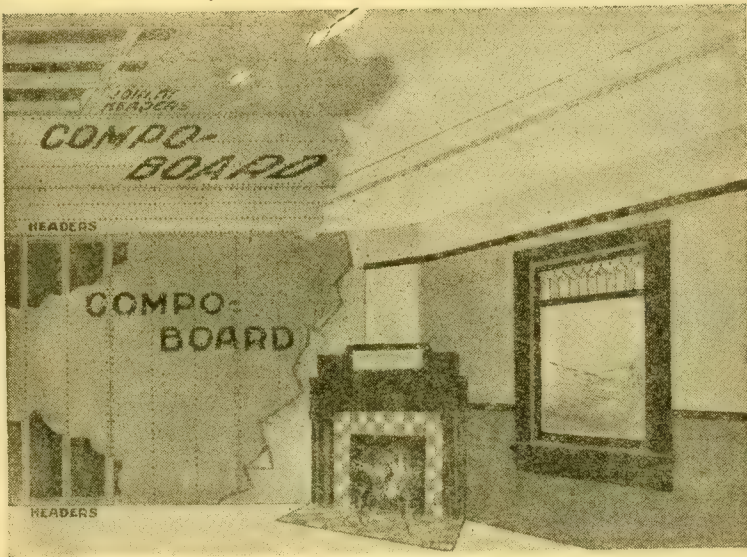
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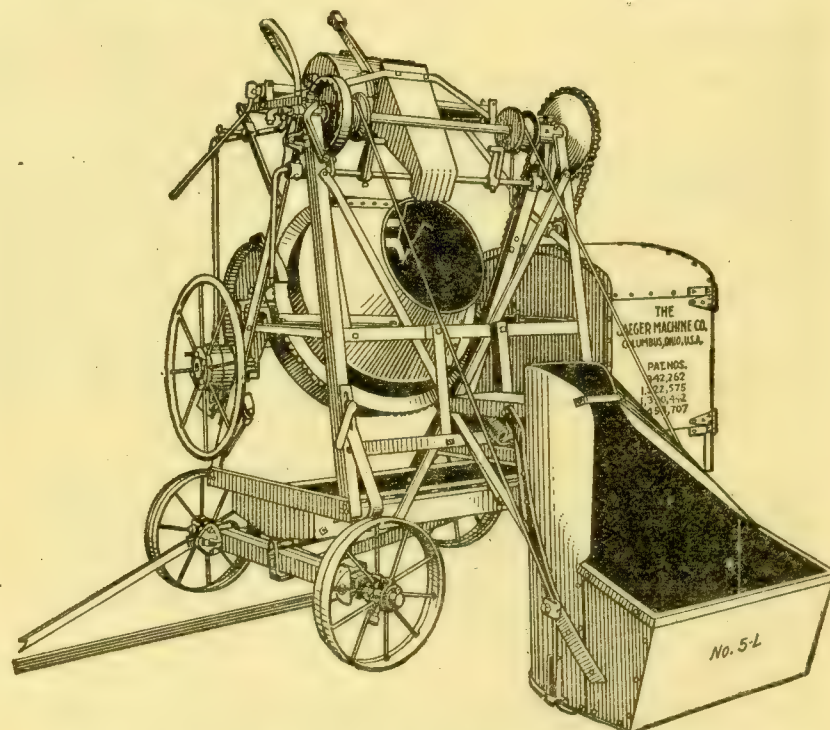
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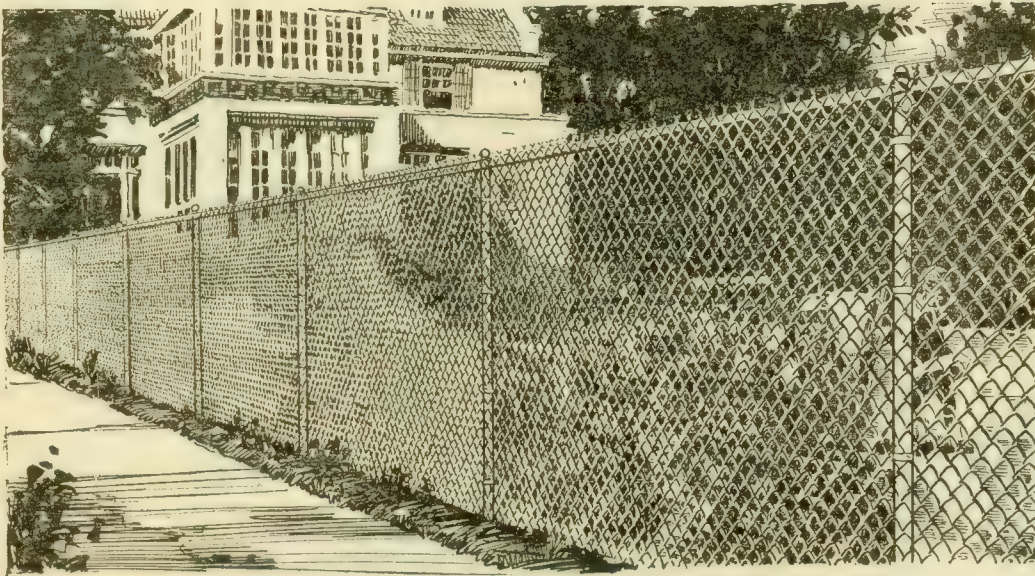
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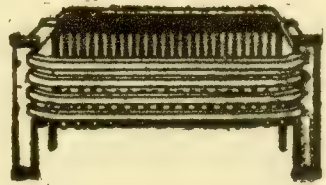
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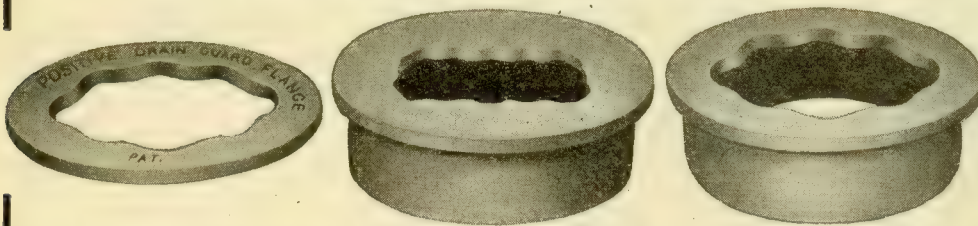
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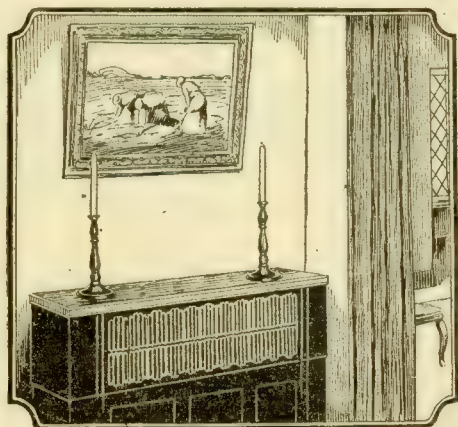
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VOLUME XL

Number 16

Engineering and the Building Trades

PHILADELPHIA

April 22, 1925

BUILDERS' GUIDE

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Advance Construction News

CONTEMPLATED CONSTRUCTION: ARCHITECTS AND OWNERS: COST LIMIT: LAST DAYS FOR FILING BIDS:

CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED: ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residences (2), East side Belgrade street, North of Bristol street, Philadelphia, \$4,500 each. Architect, private plans. Owner, John Gusin, 2600 Lefevre street, Philadelphia. Brick, 2 stories, 15 feet 6 inches x 48 feet, slag roof, hot water heat, electric light. Owner will build.

Residences (2), South side Fuller street, East of Ferndale street, \$4,500 each. Architect, private plans. Owner, J. Carroll Moerk, 2732 North Newkirk street, Philadelphia. Brick, 2 stories, 16x37 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Rectory, location withheld. Architect, P. F. Getz, Victory Building, Philadelphia. Owner, name withheld. Stone, 3 stories and basement, 42x79 feet, slate roof, hardwood and pine floors, steam heat, electric light, tile and marble work. Preliminary plans in progress.

Church (alts. and add.), Roxborough, Philadelphia. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Roxborough Baptist Church, J. Foster Wilcox, 467 Gerhardt. Plans completed. Architects ready for bids.

School (superstructure), Sixty-fourth and Buist avenue, Philadelphia. Architect, Paul A. Monaghan, 1713 Sansom street, Philadelphia. Owners, St. Barnabas' Roman Catholic Church, Rev. J. E. Dougherty, premises. Granite, limestone, 3 stories, 146x53 feet, steam heat, electric light, slate roof, maple floors. Plans in progress.

Warehouse, Tenth and Erie avenue, Philadelphia. Architect, John Emlen Bullock, 34 South Seventeenth street, Philadelphia. Owner, name withheld. Brick, mill construction, 3 stories and basement, slag roof, wood and maple floors, elevators, safety treads (electric light, plumbing, heating reserved). Plans

(revised) about completed, ready for bids.

Painting Buildings No. 1A and No. 6, Schuylkill Arsenal, Philadelphia. Owners, Quartermaster's Department, Commanding Officer, Twenty-first and Oregon avenue. Owners taking bids due April 27th, 10 A. M.

Residences and Garages (10), 803-13 and 817-23 Dorset street, Philadelphia, \$75,000. Architect, private plans. Owner, John Uber, Ambler, Pa. Stone, brick, 2 stories, 19x44 feet, garages, 1 story, 15x18 feet, hot water heat, electric light, tile work. Owner will build.

Church Building, site not selected. Architect, not yet selected. Owners, Falls of Schuylkill Presbyterian Church, Rev. William B. Cooke, 4504 Ridge avenue, Philadelphia. Work contemplated.

Residence, Chestnut Hill, Pa. Architect, S. D. Milner, 1117 Foulkrod street, Philadelphia. Owner, name withheld. Stone, 2½ stories, 22x35 feet, slate roof, hardwood floors, electric light. Plans in progress.

Store Building, 4020-22 Market street, Philadelphia. Owner, I. C. Shalkrop, 1212 Ridge avenue, Philadelphia. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Brick, 1½ stories, 40x105 feet. Plans in progress.

Fire Headquarters Building, 1328 Race street, Philadelphia. Architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, City of Philadelphia. Department of Public Safety, Bureau of Fire, City Hall, Philadelphia. Brick, reinforced concrete, steel, 3 stories and basement, 107x138 feet, built-up roof, cement floors, waterproofing and damp-proofing, ornamental iron work, bond, tile work, metal lath (plumbing, heating and electric separate), artificial stone, promenade tile, steel lockers, painting, glazing, oil burning equipment, sprinklers, bronze tablets,

brass slide poles, vault lights included. All cork tile, linoleum zenithern, imitation travertine, marble, parquetry or other materials for borders and flooring omitted. Omit metal doors and floor hardeners. Owners taking bids due April 24th at noon at Room 215, City Hall.

Store Building, 1315-17 Race street, Philadelphia. Architect, Frank E. Hahn, Seventh and Chestnut streets, Philadelphia. Owner, Mrs. S. L. M. Firth, care of architect. Brick, cut stone, 2 stories and basement, 98x41 feet (plumbing, heating, electric reserved), slag roof, cement and maple floors, roof ventilators, metal ceilings, shoring, damp-proofing, slate glazed terra cotta, coping, ornamental iron work, bond, tin-lined doors, galvanized iron skylights, tile and marble work, rolled steel sash, metal lath, cold water painting, metal bulks. Architect taking bids due April 24th, 2 P. M.

Bakery (add.), 2801 Hunting Park avenue, Philadelphia. Architect, private plans. Owners, Tasty Baking Co., on premises. Reinforced concrete, brick, 5 stories and basement, 60x80 feet, slag roof, cement floors, elevators, plumbing, steam heat, electric light, fire doors, wrought iron pipe, Rylytle floors. John N. Gill Cont. Co., City Centre Building, Philadelphia, taking sub-bids due as soon as possible.

Hotel, 219 South Broad street, Philadelphia, \$400,000. Architects, Stuckert Co., Crozer Building, Philadelphia. Owner, W. E. Adams, on premises. Granite, Indiana limestone, concrete, steel, brick, 12 stories and basement, 33x130 feet (154 rooms and 154 baths), slag roof, concrete and maple floors, (3) electric elevators, terra cotta, ornamental iron work, marble stairs, kalamein doors, tile and marble work, oil burning equipment, electric light,

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Club House, Ridge avenue and Manor road, Philadelphia. Architects, Stetler & Deysher, Jefferson Building, Philadelphia. Owners, Roxborough Country Club, on premises. Stone and frame, 2 stories, 105x28 feet, wing 46x26 feet, shingle roof, cement and pine floors, plumbing, steam heat, electric light, wrought iron pipe. Owners will build.

Store and Residence (alts. and add.), 4401 Frankford avenue, \$9,000. Architect, Samuel D. Milnor, 1117 Foulkrod street, Philadelphia. Owner, Charles J. Selzer, on premises. Brick, 2 stories add., 21x41 feet, general alterations. Architect will build.

Residence (alts. to Apartment), 6205-07 North Broad street, Philadelphia. Architect, H. G. Hammer, 1716 Spring Garden street, Philadelphia. Owner, Samuel J. Bradley, 1832 Logan Square, Philadelphia. Brick, 3 stories, changing partitions, hot water heat, electric light, plumbing. Architect will build.

Sunday School, Tyson and Glenlock streets, Philadelphia. Architect, Samuel D. Milner, 1117 Foulkrod street, Philadelphia. Owners, Disston Memorial Presbyterian Church, Rev. J. Marshall Linton, 3300 Tyson street, Philadelphia. Stone, 2 stories, 2 galleries, 60x80 feet, slate roof, maple floors, steam heat, electric light, tile work. Working plans in progress. Architect will be ready for bids in 3 weeks.

Store (2-family), Residence (alts. and add.), 4610 Walnut street, Philadelphia. Architect, C. C. Schweiker, 29 Garfield avenue, Manoa Heights, Delaware County, Pa. Owner, Y. S. Benglian, 4610 Walnut street, Philadelphia. Brick, 2 stories, 18 feet 6 inches x 88 feet, slag roof, oak and pine floors, hot water heat, electric light, metal ceiling. Owner taking bids.

Church, West Coulter street, Germantown, Philadelphia. Architect, Horace Wells Sellers, Stephen Girard Building, Philadelphia. Owners, St. Luke's Protestant Episcopal Church, Rev. W. E. Conkling, 5411 Germantown avenue. Interior alterations. Architect sub-letting.

Stores and Apartments (alts. and add.), 500 South Forty-second street, Philadelphia. Architect, Charles C. Schweiker, 29 Garfield avenue, Manoa Heights, Delaware County, Pa. Owner, D. H. Kabakjian, 105 Stratford avenue, Lansdowne, Pa. Brick, 3 stories, 21x116 feet, hot water heat, electric light, tile baths, slag roof, oak and pine floors, metal ceilings. Owner taking bids.

Swimming Pool, Sixteenth and Ruffner streets, Philadelphia. Architect, Peter F. Getz, Victory Building, Philadelphia. Owners, Department of Public Welfare, Bureau of Recreation, 595 City Hall. Swimming pool, locker rooms, etc. Plans completed. Owners will advertise for bids soon.

Pleasant Hill Beach, Philadelphia. Engineers, Albright & Mebus, 1502 Locust street, Philadelphia. Owners, Department of Public Welfare, Bureau of Recreation, 595 City Hall. Low bidders: George F. Dobbins, 1020 South Forty-seventh street, Philadelphia, \$38,573; Kaufman Const. Co., Pennsylvania Building, Philadelphia, \$41,730. Plumbing, Neely Brothers & Russell, Wakeling and Oxford pike, \$2,900. Electric, Harry S. Mitchell, 1337 McFerran street, Philadelphia, \$200.

Residences and Garages (21), Clapier and Schuyler streets, Philadelphia, \$165,350. Architect, private plans. Owner, Louis Levin, 720 Wolf street, Philadelphia. Brick, 2 stories, 16x30 feet, 12x18 feet, 8x16 feet, hot water heat, slag roof, electric lighting, hardwood and cement. Owner will build.

Residences (19), South side Michan street, West Boyer, and Southwest Corner, \$179,400. Architect, private plans. Owner, Bart Tourison, 722 East Mt. Pleasant avenue, Philadelphia. Brick, 3 stories, 16x34 feet, hot water heating, electric work, slag roof, oak and pine floors. Owner will build.

Garage, 2759-63 Kensington avenue, \$30,000. Architect, private plans. Owner, A. Leibovitz, 4045 Baltimore avenue, Philadelphia. Brick, 1 story, 83x110 feet, 55x75 feet, steam heating, electric work, cement work, slag roofing, steel sash. Owner will build.

Residence, Northeast Corner Gorgas and Crittenden street, \$16,000. Architect, private plans. Owners, Johnson & Talley, Room 11, Post Office Building, Germantown. Stone, 3 stories, 27x40 feet, hot water heat, electric work, slate roofing, oak and pine floors. Owners will build.

Residences (11), East side Twenty-first street, South of Conlyn street, \$47,500. Architect, private plans. Owner, C. H. Bridenbaugh, 6401 North Seventh street, Philadelphia. Brick, 2 stories, 15x38 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Garage (alts. and add.), 5934 Baltimore avenue, Philadelphia, \$30,000. Architect, private plans. Owner, M. C. Yaskin, on premises. Brick, second story add., 53x275 feet, general alterations. Owner will build.

Residences, Northwest Corner Vernon road and Crittenden street, \$12,000. Architect, private plans. Owner, Melvin H. Grebe, 5 East Highland avenue. Stone and brick, 2 stories, 28x39 feet 10 inches, hot water heat, electric work, slate roofing, oak and pine floors. Owner will build.

Residences (21), Rising Sun avenue, Levick and Palmetto streets, \$133,000. Architect, private plans. Owners, Anastasi Brothers, 400 West Allen Lane, Philadelphia. Brick, 2 stories, 16x42 feet, 15x56 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

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road, North of Nedro avenue, Philadelphia. Architect, private plans. Owner, Harry Levin, 5255 Pine street, Philadelphia. Brick, 3 stories, (5) 18x41 feet, (6) 16x27 feet, 12x22 feet, hot water heat, electric light, hardwood and pine floors. Owner will build.

Residences (19), West side Nineteenth street, North of Nedro avenue, Philadelphia, \$96,000. Architect, private plans. Owner, Max Caplan, et al., 4231 Viola street, Philadelphia. Brick, 2 stories, 16x50 feet, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (3), West side Rising Sun avenue, South of Magee street. Architect, private plans. Owner, Vincent Di Stefano, 1301 Porter street, Philadelphia. Brick, 2 stories, 15 feet 8 inches x 56 feet, hardwood and pine floors, electric light, hot water heat, tile work. Owner will build.

Residences (22), South side Fernwood street, East of Fifty-ninth street, Philadelphia. Architect, private plans. Owner, Sidney G. Evans, 6012 Walton avenue, Philadelphia. Brick, 2 stories, 15x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (13), South side Grange avenue, between Howard and Hope streets, \$61,500. Architect, private plans. Owner, Paul Schumacher, 4706 North Fifth street, Philadelphia. Brick, 2 stories, 16x40 feet, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residence, South side Haines street, East of Chew street, Philadelphia. Architect, private plans. Owner, J. Henry Parker, 4401 Germantown avenue, Philadelphia. Stone and brick, 2 stories, 27 feet 7 inches x 40 feet 4 inches and 20 feet 4 inches x 114 feet, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Garage, 1453-57 North Sixty-second street, Philadelphia, \$18,000. Architect, private plans. Owner, I. W. Massey, 5311 Thomas avenue, Philadelphia. Brick, 1 story, 48 feet 6 inches x 197 feet, slag roof, cement floors, electric lighting. Owner will build.

Residences and Stores (3), South side Elmwood avenue, East of Sixty-ninth street, \$10,000 each. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, McWilliams & Meloney, 539 South Fifty-second street, Philadelphia. Brick, 2 stories, 20x50 feet, 1 story, 12x19 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residences (2), North side Comly street, West of Hegerman street, Philadelphia, \$9,800 total. Architect, private plans. Owner, Frank Zebley, 6012 Hegerman street, Philadelphia. Brick, 2 stories, 15x38 feet, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residence, Northeast Corner Sintner and Reach streets, Philadelphia, \$7,200. Architect, private plans. Owner, Fred Tenbol, 2414 North Waterloo street, Philadelphia. Stone and frame, 3 stories, 18x45 feet, 18x12 feet, electric work, hot water heat, oak and pine floors, shingle roof. Owner will build.

Residence and Store, West side Torresdale South of Granite street, \$6,500. Architect, private plans. Owner, Ignacy Eloessor, 5108 Torresdale avenue, Philadelphia. Brick, 2 stories, 16x55 feet, hot water heating, electric work, slag roof, oak and pine floors. Owner will build.

Residences (8), North side Comly street, West of Duffield street, \$7,000 each. Architect, private plans. Owner, William H. Rafferty, 1346 Harrison street, Philadelphia. Brick, 2 stories, 16x40 feet, hardwood and pine floors, electric light, tile work. Owner will build.

Office, Residence and Garage, Northeast Corner Seventeenth and Chew streets, \$12,000. Architect, private plans. Owner, Max Chipin, 6741 Gratz street, Philadelphia. Brick, 2 and 3 stories, 28x14 feet, 28x26 feet and 21x34 feet, hardwood and pine floors, electric work, tile work. Owner will build.

Residence and Garage, Southeast Corner Seventeenth and Grange streets, Philadelphia, \$10,000. Architect, private plans. Owner, Max Chipin, 6741 Gratz street, Philadelphia. Brick, 2 stories, 17x37 feet, 23x21 feet, hardwood, pine and cement floors, hot water heat, electric light, tile work. Owner will build.

Residences (14), West side Parkside avenue, West of Forty-ninth street, \$295,000. Architect, private plans. Owner, Charles Armstrong, 6101 Cobb's Creek Boulevard, Philadelphia. Brick, 3 stories, 19x41 feet, 19x12 feet, and 1 story, hardwood, pine floors, hot water heat, electric light. Owner will build.

Residences (20), South side Clarkson avenue, East of Westford road, Philadelphia, \$114,200. Architect, private plans. Owner, Carl Metz, 315 West Rockland street, Philadelphia. Brick, 2 stories, 15x39 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Garage (add.), 1916 East Allegheny avenue, Philadelphia, \$9,000. Architect, private plans. Owner, E. I. Shuttleworth, 3054 Kensington avenue, Philadelphia. Brick, 1 story, 16x142 feet, 16x64 feet, slag roof, electric light. Owner will build.

Residence and Store, 4731 North Third street, Philadelphia, \$6,000. Architect, private plans. Owner, C. Hass, 4729 North Third street, Philadelphia. Brick, 2 stories, 16x54 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

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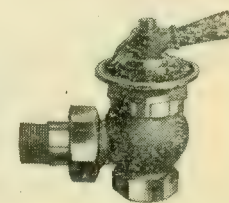
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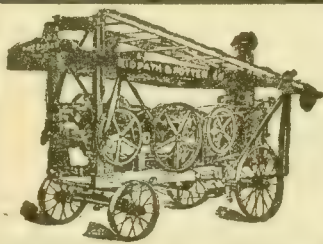
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Residences (10), Cheltenham avenue, West of Colgate street, \$50,000. Architect, private plans. Owners, A. B. and C. D. Millett, 1507 Erie avenue, Philadelphia. Brick, 2 stories, (5) 16x29 feet, 12x9 feet, (5) 18x32 feet, hot water heat, electric light. Owners will build.

Garage, 2022-26 North Sixth street, Philadelphia, \$30,000. Architect, private plans. Owner, M. Herkowitz, 425 South Sixtieth street, Philadelphia. Brick, 2 stories, 50x171 feet, slag roof, cement floors, steam heat, electric light. Owner will build.

Residences (2), West side Ryers avenue, North of Rhawn street, \$7,000 each. Architect, private plans. Owner, Preston O. Carver, Fox Chase, Philadelphia. Brick, 2 stories, 17x18 feet, 28x14 feet, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (2), East side Walker street, South of Meridan street, \$10,500 total. Architect, private plans. Owner, Stanley Bish, et al., 3140 Richmond street, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (4), East side Oakley street, South of Longshore, \$4,500 each. Architect, private plans. Owners, Goldberg Brothers, 223 East Rockland street, Philadelphia. Brick, 2 stories, 16x48 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residence, 747 Manatawna avenue, Philadelphia, \$4,500. Architect, private plans. Owner, G. H. Yarnall, 749 Manatawna avenue, Philadelphia. Frame, 2 stories, 16x37 feet, shingle roof, pine floors, hot water heat, electric light. Owner will build.

Residences (2), South side Gibson avenue, West of Eighty-first street, \$4,250 each. Architect, private plans. Owner, Joseph Gordzell, 7726 Laycock avenue, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residence, North side Marwood road, East of Westford road, \$5,000. Architect, private plans. Owner, A. Pinkerton, Twenty-eighth and Arizona streets, Philadelphia. Brick, 2 stories, 15x30 feet, 12x10 feet, hot water heat, electric light, hardwood and pine floors. Owner will build.

Residences (10), North side Marwood road, East Westford road, \$5,000. Architect, private plans. Owner, A. Pinkerton, Twenty-eighth and Arizona streets, Philadelphia. Brick, 2 stories, 15x30 feet, 12x10 feet, hot water heat, electric work, slag roof, oak and pine floors. Owner will build.

Residences (5), South side Shelmire street, East Veree road, \$5,000. Architect, private

plans. Owner, A. Irving Knickerbocker, 7508 Mountain street. Frame, 2 stories, 26x33 feet, hot water heat, electric work, shingle roof, oak and pine floors. Owner will build.

Residences (3), East side Haworth street, North Ditman street, \$4,500 each. Architect, private plans. Owner, John Kazmierczak, 4827 Tacony street, Philadelphia. Brick, 2 stories, 14x40 feet, hot water heat, electric work, slag roof, oak and pine floors. Owner will build.

Residence, 4110 Merrick street, Philadelphia, \$4,500. Architect, private plans. Owner, Walt. Rowland, 4403 Dixon street, Philadelphia. Brick, 2 stories, 16x38 feet 6 inches, hot water heat, electric work, slag roof, oak and pine floors. Owner will build.

Residence, 7505 Manti street, Philadelphia, \$3,500. Architect, private plans. Owner, B. D. Shepherd, 7620 Ridge avenue, Philadelphia. Frame, 1 story, 20x26 feet, shingle roof, pine floors, electric lighting. Owner will build.

Garage, 2921 North Croskey street, Philadelphia, \$2,500. Owner, Henry A. Regner, 1821 West Ontario street, Philadelphia. Brick, 1 story, 18x92 feet 6 inches, slag roof, cement floors, electric lighting. Owner will build.

Residences (2), 6419-21 Hasbrook avenue, Philadelphia, \$5,000 each. Architect, private plans. Owner, William Kriger, 3340 North Mascher street, Philadelphia. Brick, 2 stories, 16x38 feet, 1 story, 12x10 feet, hot water heat, hardwood and pine floors, electric light. Owner will build.

The Editorial, "Tendencies in Building Design," continued from last issue will be concluded next week.

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Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Manufacturing Plant, including Offices, Warehouse, Boiler Room, Machine Shop, Tioga street and Richmond to Salmon street, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, D. Weber Co., Fifth and Locust streets, Philadelphia. Brick, terra cotta trim, 1 story, area 101x365 square feet, slag roof, cement floors, steam heat, electric light, radial brick chimney, diameter 42 feet, height 125 feet, rolled steel sash, saw-tooth skylights. Contract awarded Robbins Cont. Co., 1137 North Front street, Philadelphia. Architects taking bids on electric, heating and power equipment, due April 23rd.

Factory, 5051-61 Lancaster avenue, Philadelphia. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owners, Minter Brothers, on premises. Brick, reinforced concrete, cut stone, 3 stories and basement, 146x74 feet (plumbing, heating, electric, electric elevators, sprinkler reserved), slag roof, cement floors, rolled steel sash, galvanized iron skylights, rolled steel and kalamein doors, bond, ornamental iron work, architectural terra cotta, cork insulation. Contract awarded W. R. Dougherty, 1610 Sansom street, but not signed.

Residence, Scottford road, Germantown, Philadelphia. Architect, Edmund B. Gilchrist, 1618 Latimer street, Philadelphia. Owner, Herbert C. Morris, 114 North Eleventh street, Philadelphia. Stone, 2½ stories, 71x28 feet, garage 29x20 feet, shingle roof, oak and pine floors, hot water heat, electric light, tile work. Contract awarded J. S. Cornell & Son, 1528 Cherry street, Philadelphia, but not yet signed.

Store and Residence (alts. and add.), Northeast Corner Seventeenth and South streets, \$33,000. Architect, E. M. Medoff, 808 Fox Building, Philadelphia. Owner, Louis Goldberg, on premises. Brick, steel, 3 stories, 16x32 feet, electric light, tile and marble, composition floors, plumbing, hardware, sheet metal work, maple floors, bulk windows, stucco, cement, hot water heat, slag roof. Contract awarded to Morris Wolf, 3819 Poplar street, Philadelphia.

Residences (3), 5606-08-10 North Fifth street, Philadelphia, \$25,000. Architect, private plans. Owner, Daniel B. McKimmie, Fourth and Market streets, Philadelphia. Brick, 2 stories, 15x37 feet, 11x17 feet, slag roof, hardwood and pine floors, hot water

heat, electric light, tile work. Contract awarded to Charles R. Davis & Son, 1500 Ellwood street.

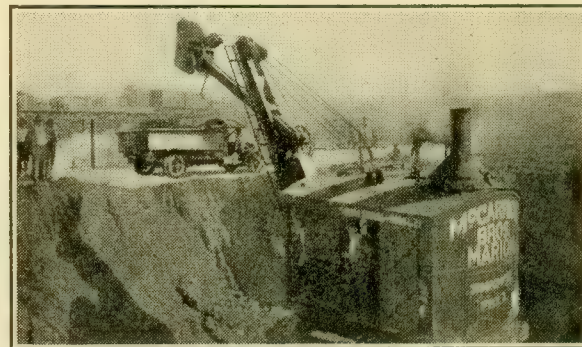
Residence, South side Fuller street, West of Frontenac street, Philadelphia, \$6,500. Architect, private plans. Owner, W. Gibbs, Jr., Cambria and Emerald streets, Philadelphia. Frame, 2 stories, 24x36 feet, shingle roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Henry E. Durst, Rhawn and Castor avenue, Philadelphia.

New Building, 1228 Locust street, Philadelphia. Architects, Arthur Hall and W. H. Gravell, Otis Building, Philadelphia. Owners, Philadelphia Real Estate Board, on premises. Brick, concrete, cut stone, steel, 3 stories and basement, 54x24 feet, slag roof, maple floors, painting and glazing, plumbing, ornamental iron work, bond, galvanized iron skylights, tile and marble work, metal lath, steam heat, electric light, bluestone, wrought iron pipe. Contract awarded J. Schnable, Inc., Denckla Building, Philadelphia, but not yet signed.

Boys' Catholic High School, Torresdale and Hunting Park avenue, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, Catholic Archdiocese of Philadelphia, D. Cardinal Dougherty, Eighteenth and Race streets, Philadelphia. Reinforced concrete, steel, brick, granite, cut stone, gypsum slag roof, 3 stories and basement, 280x64 feet, wing 138x72 feet, cement floors, hollow tile, roof ventilators, ornamental iron work, iron stairs, bond, hollow metal and kalamein doors, copper skylights, rolled steel sash, tile, marble and terrazzo work, metal lath, incinerators, limestone metal toilet partitions, ornamental plaster. Contract awarded B. J. McKenna, 1713 Moravian street, Philadelphia, \$592,482. Plumbing, D. J. Keating, 2042 Rittenhouse street, Philadelphia. Heating, J. Borden, 637 North Nineteenth street. Electric, Electro Const. Co., Commercial Trust Building, Philadelphia.

Office Building and Restaurant, Northwest Corner Sixteenth and Chestnut streets, Philadelphia. Architect, private plans. Owners, Horn & Hardart Baking Co., 234 South Tenth street, Philadelphia. Brick, steel, 2 stories, 90x40 feet, steam heat, electric light, slag roof, cement floors, tile and marble work. Contract awarded Harry R. Rust, 41 North Hutchinson street, Philadelphia. Plans in progress.

Schools, Philadelphia. Owners, Board of



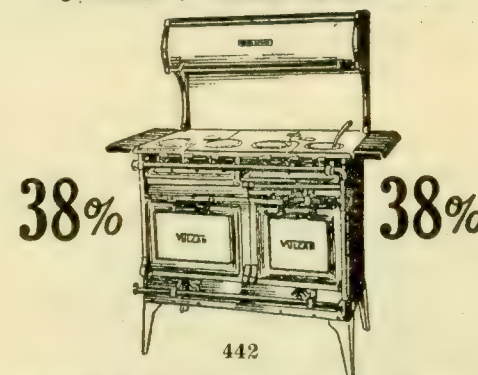
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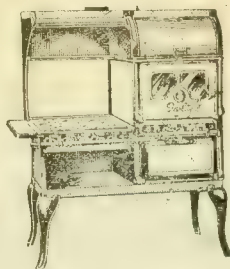
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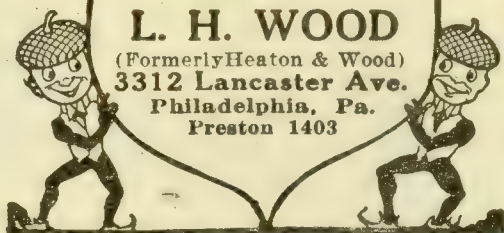
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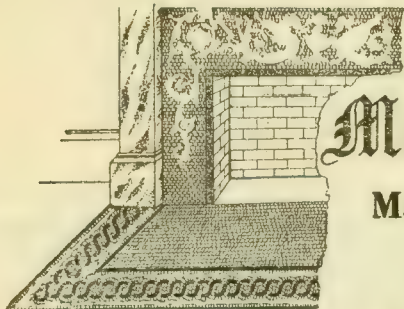
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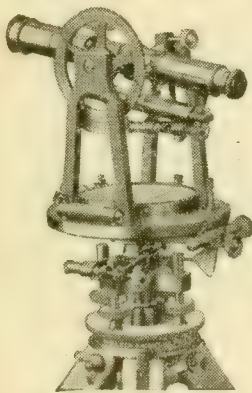
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Education, Nineteenth above Chestnut street, Philadelphia. Contracts awarded: German-town High School—D. Lutz Co., Twenty-third and Chestnut streets, Philadelphia, \$68,600; plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$3,124; electric, Enterprise Elec. Co., 239 South Tenth street, Philadelphia, \$1,684; heating, S. Faith, 2427 Pennsylvania avenue, Philadelphia, \$3,657; ventilating, Mr. Wagman, care of owner, \$385. Frankford High School—Mitchell Brothers, 2125 Race street, Philadelphia, \$344. Electric Work:—Roxborough School—Northern Elec. Cont. Co., 521 East Ruscomb street, Philadelphia, \$283. No. 81—Enterprise Elec. Co., 239 South Tenth street, Philadelphia, \$216. No. 82—Northern Elec. Const. Co., 521 East Ruscomb street, Philadelphia, \$334. No. 83—Northern Elec. Const. Co., 521 East Ruscomb street, Philadelphia, \$256. No. 84—Ross Elec. Co., 106 Fairmount avenue, Philadelphia, \$1,025. No. 85—Enterprise Elec. Co., 239 South Tenth street, Philadelphia, \$1,308. No. 86—Enterprise Elec. Co., 239 South Tenth street, Philadelphia, \$1,934. No. 87—Walker-Kepler, 531 Chestnut street, Philadelphia, \$4,328.

Manufacturing Building, Twenty-first and Hunting Park avenue, Philadelphia. Architect, private plans. Owners, George W. Blabon Co., Twenty-first and Hunting Park avenue, Philadelphia. Reinforced concrete, steel, 4 stories and basement, 30x90 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash. Contract awarded William Steele & Sons, 219 North Broad street, Philadelphia.

School (add.), Tulip street, Tacony, Philadelphia. Architects, Hoffman-Henon, Inc., Finance Building, Philadelphia. Owners, St. Leo's Roman Catholic Parish, Rev. Hugh Bower, Tacony, Philadelphia. Brick, cut stone, steel, 2 stories and basement, slag roof, maple and pine floors, metal window guards, shoring, architectural terra cotta, ornamental iron work, slate partitions, bond, hollow metal sash and doors, metal lath. Contract awarded to B. J. McKenna, 1713 Moravian street, Philadelphia.

Office Building, Southeast Corner Broad and Bainbridge streets, \$75,000. Architect, Max A. Bernhardt, 741 Walnut street, Philadelphia. Owner, Harry Patamkin, 1715 Chestnut street, Philadelphia. Brick, 3 stories, 102x99 feet, slag roof, steam heat, electric light, hardwood and pine floors, steel sash. Contract awarded to H. Alderman, 1715 Chestnut street, Philadelphia.

Apartment House, 1937 West Girard avenue, Philadelphia. Architect, Samuel Abramson, 2313 Walnut street, Philadelphia. Own-

er, Charles Butler, care of architect. Brick, stone, 3 stories, 21x70 feet, slag roof, hardwood floors, hot water heat, electric light, tile and marble work. Contract awarded to Michael Benjamin, 2120 Sixty-sixth avenue, Philadelphia.

Oil and Varnish Building, Second and Erie avenue, Philadelphia. Engineers, Stofflet & Tillotson, Wesley Building, Philadelphia. Owners, Certainteed Products Co., on premises. Reinforced concrete, brick, 1 story, 113x83 feet, cement floors, rolled steel sash, hollow metal doors, ornamental iron work (roofing, plumbing, heating and electric work reserved). Contract awarded to Stofflet & Tillotson, Wesley Building, Philadelphia.

Residences (2), Stenton, Philadelphia. Architect, H. C. Lightfoot, 1504 Locust street, Philadelphia. Owner, name withheld. Stone, 3 stories, 25x50 feet, tile roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded Seely Co., 1504 Locust street, who are taking sub-bids.

Bath House, Chestnut Hill, Pa. Architects, Tilden & Register, 1520 Locust street, Philadelphia. Owner, John E. Zimmerman, Chestnut Hill, Pa. Stone, hollow tile and stucco, 1 story, 32x20 feet, slag roof, cement floors, plumbing, electric light, bond, floor hardener. Contract awarded J. E. Walt, 204 East Willow Grove avenue, Philadelphia.

Garage, 5421-25 Lancaster avenue, Philadelphia. Architect, Francis P. Canavan, 7032 Greenway avenue, Philadelphia. Owners, H. C. King and Finn, care of Empire Title & Trust Co., Forty-fourth and Lancaster. Brick, steel, 1 story, 228x46 feet, slag roof, cement floors, steam heat, electric light, marble work, rolled steel sash, plumbing, wrought iron pipe. Contract awarded H. E. Walters, 412 North Fortieth street, Philadelphia.

Arena (alts.), Market street, between Forty-fifth and Forty-sixth streets, \$75,000. Architects, Hoffman-Henon, Inc., Finance Building, Philadelphia. Owner, Jules Aronson, Forty-fifth and Market streets, Philadelphia. Lowering floors, refrigeration system, concrete work, brick work, carpentry and mill work, painting and glazing. Contract awarded to John B. Kelly, 2313 Walnut street, Philadelphia. Plans in progress.

Garage, 227 West Tabor road, Philadelphia. Architect, private plans. Owner, H. Hamilton, on premises. Brick, 1 story, 25x24 feet, slag roof, cement floors, electric light, ornamental iron work. Contract awarded Knox Landers, 1132 Vine street, Philadelphia.

Club House (add.), 3614 Richmond street, Philadelphia. Architect, L. E. Binns, 5516 Germantown avenue, Philadelphia. Owners, Venango Republican Club, on premises. Brick, 2 stories, 16x30 feet, slag roof, pine floors, dumb waiter. Contract awarded A. Pietrowski, 3416 Richmond street, Philadelphia.

Contract No. 21A, Delaware River Bridge, \$144,000. Owners, Delaware River Bridge Joint Commissioners, Widener Building. Floor joist for entire bridge. Contract awarded Rivet Grit Steel Co., care of American Steel Engineering Co., 10 South Eighteenth street, Philadelphia.

Packing House (alts.), Northwest Corner Third and Girard avenue, Philadelphia, \$5,000. Architect, private plans. Owners, Louis Burk, Inc., on premises. Brick, elevator shaft, 4 stories, 9x8 feet 7 inches. Contract awarded to John N. Gill Const. Co., 121 North Broad street.

Garage, 1429-33 South Twenty-third street, Philadelphia, \$12,000. Architect, private plans. Owner, M. Rosebund, 1604 North Fifty-seventh street, Philadelphia. Brick, 2 stories, 57x80 feet, slag roof, cement floors, electric work. Contract awarded to W. H. Davis, 149 North Fifteenth street, Philadelphia.

Residence and Store, Southeast Corner Juniper and Race streets, \$15,000. Architect, pri-

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vate plans. Owner, H. Miller, on premises. Brick, 3 stories, 16x38 feet, 13x13 feet, slag roof, pine and hardwood floors, electric light, hot water heat. Contract awarded to Samuel Levin, 1522 South Sixth street, Philadelphia.

Manufacturing Building (add.), Northeast Corner Wayne avenue and Bristol street, Philadelphia, \$10,000. Architect, private plans. Owners, Haines Hosiery Co., on premises. Brick, 1 story add., 59x41 feet, slag roof, cement floors, steam heat, electric light. Contract awarded to William Steele & Sons Co., 219 North Broad street.

Residence, West side Castor road, South of Cottman street, \$9,500. Architect, private plans. Owner, D. Krauczak, Verree road and Rhawn street, Philadelphia. Brick, 2 stories, 16x58 feet, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to M. Baransnsky, 1614 Juniata street, Philadelphia.

Residence and Store, 6104 Torresdale avenue, Philadelphia, \$8,500. Architect, private plans. Owner, F. Gutekunst, 6100 Torresdale avenue, Philadelphia. Brick, 2 stories, 19x14 feet, 15x41 feet, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to L. Deitnick, 3016 Comly street, Philadelphia.

Residence, Southeast Corner Grant avenue and Alton street, Philadelphia, \$8,000. Architect, private plans. Owner, Harold E. Wenker, Grewstown road and Welsh road, Philadelphia. Frame and stucco, 3 stories, 24x35 feet, shingle roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to R. W. Mathews, 8032 Mantague street, Philadelphia.

Garage, East side Camac street, North of Somerville avenue, Philadelphia, \$8,000. Architect, private plans. Owner, L. Hucknell, et al., Northwest Corner Camac and Fisher's avenue. Brick, 1 story, 75x36 feet, slag roof, cement floors, electric work. Contract awarded to W. J. Baltz, Sixty-sixth and Lawnton avenues, Philadelphia.

Garage, Southwest Corner Front and Clearfield streets, Philadelphia, \$28,000. Architect, private plans. Owner, I. Yoffle, 5042 North Eighth street, Philadelphia. Brick, 1 story, 101x150 feet, slag roof, cement floors, electric work. Contract awarded to M. Yacknitz, 4544 North Warnock street, Philadelphia.

Store and Storage (alts.), Northwest Corner Franklin and Poplar streets, \$17,500. Architect, private plans. Owners, H. Sacks Co., on premises. General alterations. Contract awarded to P. Savar, 718 Snyder avenue, Philadelphia.

Foundry (add.), Northwest Corner American and Westmoreland streets, \$13,000. Architect, private plans. Owners, Fairmount Foundries, Third and Westmoreland streets, Philadelphia. Reinforced concrete, 1 story, 90x97 feet, slag roof, cement floors, electric light. Contract awarded to H. A. Hopple, Heed Building, Philadelphia.

Residence, South side Adams avenue, North of Orthodox street, Philadelphia, \$12,000. Architect, private plans. Owner, Harry Diamondstein, Northeast Corner York and Coral streets, Philadelphia. Brick, 2 stories, 20x56 feet, hardwood and pine floors, electric lighting, hot water heating, tile work. Contract awarded to A. Beatty, 4362 Leiper street, Philadelphia.

Residences (2), 5205-07 North Broad street, Philadelphia, \$2,500 each. Architect, H. G. Hammer, 1716 Spring Garden Street, Philadelphia. Owner, Samuel Bradley, 1832 Race street, Philadelphia. General alterations. Architect will build.

Residence (add.), 529 Carpenter street, Philadelphia, \$5,000. Architect, private plans. Owner, N. Trepiano, 711 South Sherman, Philadelphia. Brick, 3 stories, 10x18 feet, yellow pine floors, slag roof. Contract awarded Frank

Brissi, 1736 South Sixteenth street, Philadelphia.

Residence, West side Ferndale street, North of Rhawn street, \$5,000. Architect, private plans. Owner, Ewald Kilmer, East Tabor road, Philadelphia. Stone and frame, 3 stories, 24x28 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded to William B. Gayde, 131 Old Soldiers' road, Philadelphia.

Garages (2), West side Walker street, North of Comly street, \$4,900 total. Architect, private plans. Owner, James Hagerty, 3029 Comly street, Philadelphia. Iron and brick, 1 story, 40x40 feet and 50x18 feet, slag roof, cement work. Contract awarded to L. Deitrich, 3016 Comly street, Philadelphia.

Garage, 6610 North Seventh street, Philadelphia, \$4,500. Architect, private plans. Owner, Howard A. Rider, on premises. Brick, 2 stories, 29x33 feet, slag roof, cement floors. Contract awarded to W. J. Baltz, Sixty-sixth and Lawnton avenues, Philadelphia.

Store and Residence (alts. and add.), 6100 Torresdale avenue, \$3,000. Architect, private plans. Owner, F. Gutekunst, on premises. Brick, 2 stories add., 16x12 feet, general alterations. Contract awarded to L. Deitrich, 3016 Comly street, Philadelphia.

Residences (2), East side F street, South of Stanwood street, Philadelphia, \$5,000 each. Architect, private plans. Owner, J. P. Kilkede, 7945 Oxford pike, Philadelphia. Brick, 2 stories, 16x49 feet, slag roof, hardwood and pine floors. Contract awarded to Walter F. Fels, 7949 Oxford Pike, Philadelphia.

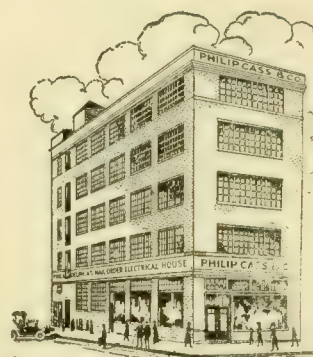
Garage, 1333-37 North Seventeenth street, Philadelphia, \$5,000. Architect, private plans. Owner, Mrs. Yackle, on premises. Brick, 1 story, 49x78 feet, slag roof, cement floors, electric work. Contract awarded to W. O. Springer, 2004 Naudain street, Philadelphia.

Residence, Northwest Corner Rhawn and Summerdale avenue, Philadelphia, \$4,850. Architect, private plans. Owner, Thomas Mawhinney, 2135 East Norris street, Philadelphia. Frame, 2 stories, 24x36 feet, shingle roof, hardwood and pine floors, electric lighting. Contract awarded to B. H. Cizielkowski, 35 Sylvia avenue, Fox Chase.

Workshop, North side Staub street, East of Germantown avenue, \$8,000. Architect, private plans. Owner, J. Loudon, 1702 Cayuga street, Philadelphia. Brick, 2 stories, 37x28 feet, 30x18 feet, slag roof, pine floors. Contract awarded to M. Yacknitz, 4445 North Warnock street, Philadelphia.

Storage Building and Office, South side Gray's avenue, East of Seventy-second street,

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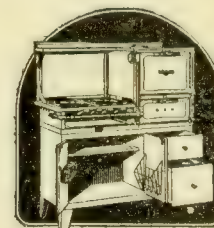


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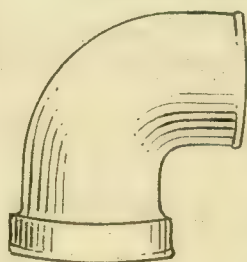
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\$4,500. Architect, private plans. Owner, C. F. Hoffman, 221 South Sixtieth street, Philadelphia. Brick, 1 story, 30x100 feet, office, 16x16 feet, slag roof, pine floors, electric lighting. Contract awarded to Arthur F. Dennis, 1529 North Fifty-fourth street, Philadelphia.

Residence (alts. and add.), 5835 Wissahickon avenue, Philadelphia, \$3,100. Architect, private plans. Owner, William I. Ray, 5204 Morris street, Philadelphia. Brick, second story add., 16x15 feet, general alterations. Contract awarded to Joseph Varsallo, 202 Clapier street, Philadelphia.

Storage Building (add.), 3912 North Reese street, Philadelphia, \$3,000. Architect, private plans. Owner, P. Alosi, 526 Pike street, Philadelphia. Brick, second story add., 16x40 feet, slag roof, pine floors. Contract awarded to S. Piccari, 5507 North Fairhill street, Philadelphia.

Building (add.), Northwest Corner Mascher and Atlantic streets, \$2,000. Architect, private plans. Owner, Morris Gerwertz, 944 North Forty-second street, Philadelphia. Brick, second story add., 16x50 feet, slag roof, pine floors. Contract awarded to A. Rubin, 324 Dickinson street, Philadelphia.

Ice Plant (add.), Northwest Corner Tenth and Windrim avenue, Philadelphia, \$2,000. Architect, private plans. Owners, Logan Ice Mfg. Co., on premises. Brick, 1 story, 22x24 feet, slag roof, cement floors. Contract awarded to H. P. Schneider, 3713 Old York road, Philadelphia.

Residence, 8128 Ridge avenue, Philadelphia, \$8,000. Architect, private plans. Owner, Miss Elizabeth Keely, 8135 Ridge avenue, Philadelphia. Stone and frame, 3 stories, 28x28 feet, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Adam Wilkinson, 439 Harmon street, Philadelphia.

Apartment (add.), 225 West Tulpehocken avenue, Philadelphia, \$4,000. Architect, John W. Keys, 6226 McCallum street, Philadelphia. Owner, Mrs. T. A. Finley, on premises. Concrete block, 2 stories, 13 feet 6 inches x 30 feet 6 inches, tin roof, hot water heat, electric light, oak floors. Contract awarded to Samuel Harting & Son, 20 East Johnson street.

Residence (repairs), 251 East Upsal street, Philadelphia, \$3,600. Architect, private plans. Owner, R. Whedan, on premises. General fire repairs. Contract awarded to W. C. Wright & Son, 22 Harvey street, Philadelphia.

Residence, South side Gorsten street, West of Vernon road, \$9,000. Architect, private plans. Owner, E. M. Halis, Vernon road and Stenton avenue, Philadelphia. Brick, 2 stories, 25 feet 6 inches x 36 feet 6 inches, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Penn Building Co., 2029 Stenton avenue, Philadelphia.

Apartment (alts.), 266 South Third street, Philadelphia, \$4,000. Architect, private plans. Owner, George W. Orlowitz, 4004 Pine street, Philadelphia. General alterations. Contract awarded to A. Frank, 1522 South Sixth street, Philadelphia.

Storage Building, 2605 West Fletcher street, Philadelphia, \$4,000. Architect, private plans. Owner, H. J. Lackenmayer, Twenty-second and Allegheny avenue, Philadelphia. Brick, 1 story, 18x120 feet, slag roof, electric work, pine floors. Contract awarded to George M. Collins, 2427 North Thirty-first street, Philadelphia.

Residence and Store (alts.), Northeast Corner Thirteenth and Shunk streets, \$3,500. Architect, private plans. Owner, G. Blatz, on premises. General alterations. Contract awarded to M. Hoffman, 4908 Brown street, Philadelphia.

Store and Residence (add.), 1928 South street, Philadelphia, \$3,000. Architect, private plans. Owner, M. Chipin, 2537 South Broad street, Philadelphia. Brick, 3 stories add., 15x40 feet, slag roof, pine floors. Owner will build.

Residence and Store (alts.), Southeast Corner Twentieth and Columbia avenue, \$3,500. Architect, private plans. Owner, Hengle Sweeney, on premises. Alts. to plumbing, hardware, electric work, bulk windows, carpentry, mill work, brick work. Contract awarded to H. Hazlett & Son, 1701 North Twentieth street, Philadelphia.

Garage, 4012 York road (rear), \$2,250. Architect, private plans. Owner, Harry C. Rokey, on premises. Brick, 1 story, 25x40 feet, cement floors, slag roof. Contract awarded to George Klein, on premises.

Residence (add.), 1613 South Eighteenth street, \$2,000. Architect, private plans. Owner, Domonick Di Benedicto, 1709 South Eighteenth street, Philadelphia. Brick, 1 story, 17x19 feet, yellow pine floors, slag roof. Contract awarded to E. Campitelli Co., 1934 Morris street.

Garage (alts.), 514 East Sedgwick street, Philadelphia, \$2,000. Architect, private plans. Owner, F. A. Taylor, on premises. General alterations. Contract awarded to H. D. Wright, 231 Sydney street, Philadelphia.

Residence (add.), 811 Tasker street, Philadelphia, \$2,000. Architect, private plans. Owner, M. Tannacona, 811 Tasker street, Philadelphia. Brick, 2 stories, 15 feet 6 inches x 28 feet, yellow pine floors, slag roof. Contract awarded to A. Sciambi, 1929 South Tenth street, Philadelphia.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Highways, Philadelphia. Low bids received April 15th.

Schedule "A," Grading:

Bristol street, G to O streets, Dewees Bros., 1974 Spencer street, Philadelphia, \$107,110.73.

Calvert street, Second to Third streets, Frank Mark Cont. Co., 2820 N. Twenty-first street, Philadelphia, \$20,234.43.

Churchview street, Tower to Terrace street, Philadelphia, Roy B. Werner, 2315 Walnut street, Philadelphia, \$31,100.00.

Conlyn street, York Road to Sixteenth St., Morrissey Bros., 4345 N. Seventh street, Philadelphia, \$1,635.48.

Drexel Road, Vine to Haverford, Tiskin-Callowhill street, T. P. Lee, 5629 Cherry street, Philadelphia, \$7,543.97.

Durand street, Cresheim Road, Weatham, Idell streets, Joseph McGlory, 2074 N. Sixty-second street, Philadelphia, \$3,724.36.

Duval street, Ross Musgrave, Wellesley Road, McCallum, Jefferson streets, Roy B. Werner, 2315 Walnut street, Philadelphia, \$3,289.76.

Eastwick avenue, from Sixty-first to Sixty-third street, H. A. McCleran, Thirteenth and Shunk streets, Philadelphia, \$13,798.40.

Front, Ruscomb, Ashdale and Robat, "A" to Rising Sun avenue, M. Morrissey, 4345 N. Seventh street, Philadelphia, \$1,358.28.

Haines, Limekiln Pike to a point 963 feet westward, Almeno Frenzi, care of owner, \$1,790.98.

Locust street, Forty-eight to Forty-ninth, Charles Vincent, care of owner, \$4,121.43.

Nippon, Ardleight, Anderson and Wadsworth streets, Anderson street, Dewees Bros., 1974 Spencer street, Philadelphia \$12,004.20.

Twentieth, Andrews avenue to Middleton street, Ray B. Werner, 2315 Walnut street, Philadelphia, \$4,260.74.

Schedule "B," Asphalt Paving (AssessmentWork):

Andrews avenue, Limekiln Pike to Ogontz, Mack Paving Co., Nicetown Lane and C St., \$12,701.56.

Belgrade and other streets, Eastern Asphalt

Co., Colonial Trust Building, \$25,976.80.

Malvern avenue, Sixty-fourth to Sixty-fifth street, Barber Asphalt Co., Land Title Building, \$10,571.58.

Montana street, Boyer to Sprague, Mack Paving Co., Nicetown Lane and C street, \$13,756.29.

Wister street, Chew street to Church Lane, Barber Asphalt Co., Land Title Building, Philadelphia, \$16,350.00.

Seventieth street, Gray's avenue to P., B. & W. R., Barber Asphalt Co., Land Title Building, Philadelphia, \$3,223.82.

Schedule "C," Asphalt repaving.

Ellsworth street, Twenty-second street to point 155 feet west of Twenty-fourth, Eastern Asphalt Co., Colonial Trust Building, \$14,762.85.

Ritner street, Third street to Fourth street, Barber Asphalt Co., Land Title Building, Philadelphia, \$6,789.94.

Schedule "D," Redressed Granite Block RRepaving:

Catherine street, Front, Delaware, Queen, Fourth to Sixth, James Soloricci, care of owner, \$18,915.00.

Midvale avenue, from Ridge avenue to Phila. & Reading Rwy., C. G. Centrone, 6339 Race street, \$23,999.35.

Puaskie, Erie, Eighteenth, Pulaskie to Hunting Park avenue, Joseph Saloreci, care of owner, \$27,315.15.

South street, Twenty-seventh to Schuylkill River Br., Spruce, Thirty-fourth street, Eastern Asphalt Co., Colonial Trust Building, \$37,099.44.

Tasker street, Delaware avenue to Dilworth, Acchione & Conuso, 804 S. Twelfth street, \$8,905.00.

Second street, Vine to Laurel street, Joseph Salucci, 512 N. Sixty-fifth street, Philadelphia, \$53,523.85.

Eleventh street, Walnut to South street, Acchione & Canuso, 804 S. Twelfth street, \$29,341.40.

Twelfth street, Poplar to Spring Garden, Girard avenue, Eastern Asphalt Co., Colonial Trust Building, \$41,509.60.

Sixteenth street, from Arch to Vine, United Paving Co., Real Estate Trust Building, \$8,091.75.

Seventeenth street, Pine and Arch streets, Eastern Asphalt Co., Colonial Trust Building, \$17,667.25.

Nineteenth street, Walnut to Race street, Union Paving Co., Thirtieth and Locust Sts., \$17,958.20.

Nineteenth street, Vine to Spring Garden street, Eastern Asphalt Co., Colonial Trust Building, \$35,355.06.

Twenty-second street, Parkway, Green, Twenty-fifth, Fairmount, Twenty-ninth, Girard and Poplar, Eastern Asphalt Co., Colonial Trust Building, \$23,224.05.

Schedule "E," Hillside, vitrified block:

Leverington, Silverwood to Peohin, C. G. Centrone, 6339 Race street, Philadelphia, \$24,985.92.

Schedule "K," Grading:

Eleventh, Pattison, Terminal avenue, McNichol Paving & Const. Co., 1923 Cherry St., \$232,255.00.

Packer avenue, Broad to Twentieth, Provident H. W. Co., 133 Greenwich street, Philadelphia, \$24,777.50.

Shed, Northeast Corner Tenth and Montgomery avenue, Philadelphia, \$3,600. Architect, private plans. Owner, George Beneinstock, Passyunk and Christian street, Philadelphia. Iron, 1 story, 14x200 feet. Contract awarded to William H. McArdle & Son, 511 Bainbridge street, Philadelphia.

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PENNSYLVANIA

Construction News

Residence, Newtown road and Leopard road, Devon, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, Mrs. Thomas R. Neilson, care of architect. Stone, brick, cut stone, 2½ stories and basement, 114x34 feet (heating, plumbing, electric, weather stripping reserved), slate (Vermont) roof, oak, pine and cement floors, metal lath, tile work, bond, ornamental iron work, limestone. Architects taking bids due April 28th.

Immaculate Heart Academy, Fountain Spring, Pa. Architect, Paul A. Monaghan, 1713 Sansom street, Philadelphia. Owners, Sisters of I. H. M., Immaculata, Pa. Brick, steel, concrete, limestone trim, 3 stories and basement, 245x40 feet, wing 112x49 feet, slate roof, hardwood and pine floors, steam heat, electric light, tile and marble work, ornamental iron work. Plans will be ready in a few days.

Residence and Garage, 513 Valley View road, Merion, Pa. Architect, A. C. Behr, 1326 North Robinson street, Philadelphia. Owner, Walter Schlipf, 1324 North Fifty-fourth street, Philadelphia. Stone, stucco, 2½ stories, 30x45 feet, slate roof, hardwood floors, hot water heat, electric light, metal lath, tile work, cement. Owner will build and is taking sub-bids.

Boiler House, New Hope, Pa. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Union Mills Paper Mfg. Co., on premises. Reinforced concrete, brick, steel, 2 stories, 49x42 feet, precast reinforced pyrobas, gypsum tile roof, cement floors, plumbing, waterproofing, slate glazed terra cotta coping, ornamental iron work, bond, hollow metal doors, rolled steel sash. Architect taking bids due April 24th.

Residences (12), Wynnewood, Pa. Architects, De Armond, Ashmead & Bickley, 20 South Fifteenth street, Philadelphia. Owners, Casey & Vodges, 238 South Camac street, Philadelphia. Brick, frame, stucco, 2½ stories, 29x20 feet, asbestos shingle roof, oak and pine floors, hot water heat, electric light, tile work, ornamental iron work. Owners taking sub-bids due as soon as possible.

Theatre and Office Building, Easton, Pa. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owner, I. B. Hochman, 135 Northampton street, Easton, Pa. Preliminary plans in progress.

Mission Church, Portland, Pa. Architect, H. G. Hammer, 1716 Spring Garden street, Philadelphia. Owners, St. Teresa's R. C. Church, Rev. M. J. Blake, C. M., Bangor, Pa. Stone, frame, rough cast, one story and basement, 32x58 feet, slate roof, pine floors, steam heat, electric light. Plans in progress.

School, Marion Heights, Northumberland County, Pa. Architect, J. A. Barrett, Bowman Building, Scranton, Pa. Owners, St. Mary's Parish, Rev. Brozys, Marion Heights, Pa. Brick, 5 rooms. Preliminary plans in progress.

Residence, Scranton, Pa. Architect, G. C. Price, Miller Building, Scranton, Pa. Owner, A. Borshanti, care of architect. Frame, stucco, 2½ stories, shingle roof, hardwood floors, steam heat, electric light, tile work. Plans in progress.

Bungalow Development, Montgomery County, Pa. Architect, L. E. Binns, 5614 Germantown avenue, Philadelphia. Owner's name withheld. Frame, stucco, 1½ stories, 26x25 feet, asphalt shingle roof, hardwood floors, pipeless heat, electric lighting. Will build 20

to 40. Preliminary plans in progress. Work contemplated.

Garage, Wilkes-Barre, Pa., \$150,000. Architects, Schroeder & Schmitt, Weitzenkorn Building, Wilkes-Barre, Pa. Steel, concrete, brick, one story and basement and two stories, 107x175 feet and 70x175 feet, slag roof, reinforced concrete floors, water and damp-proofing, ornamental terra cotta, iron stairs, fire doors, steel sash, metal lath, steam heat, electric light. Plans in progress.

Church and Sunday School, Drexel Hill, Pa. Architect, John B. Thompson, 34 South Seventeenth street, Philadelphia. Owners, Grace Evangelical Lutheran Church, Drexel Hill, Pa. Stone, 2 stories, tower, 40x80 feet. Preliminary sketches in progress.

Residence and Garage, Rydal, Pa. Architect, C. A. Ziegler, 1309 Locust street, Philadelphia. Owner, Arthur A. Niessen, Elkins Park, Pa. Stone, 2½ stories, slate roof. Plans in progress. Ready for bids in ten days.

Bank Building, Northumberland, Pa. Architects, Simons, Brittain & English, 929 Chestnut street, Philadelphia. Owners, Northumberland National Bank, Northumberland, Pa. Concrete, steel, marble, cut cast stone or granite, brick, composition roof, reinforced concrete and marble floors, metal lath, steam heat, electric work. Plans in progress. Architects will be ready for bids in three weeks.

School No. 2 (alts. and add.), Forest City, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Forest City School Board, J. J. Cleary, Secretary, Forest City, Pa. Frame, 2 stories, 4 rooms, shingle roof, maple floors. Owners will be ready for bids about May 1st.

Church, Westmore, Pa. Architect, Lester M. Davis, 616 Spruce street, Scranton, Pa. Owners, Westmore Church of Christ, Westmore, Pa. Brick, one story and basement, 48x85 feet, slate roof, electric light. Architect will take revised bids in about three weeks.

Residence, Devon, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, Dr. T. R. Neilson, 1937 Chestnut street, Philadelphia. Stone, 2½ stories, slate roof, hardwood floors, electric light, tile work. Plans about completed. Will be ready for bids in two weeks.

Bungalow, Roslyn, Pa. Architect, L. E. Binns, 5516 Germantown avenue, Philadelphia. Owner, Joseph Kitz, 1105 Eyre street, Philadelphia. Frame and stucco, 1½ stories, 26x35 feet, pipeless heat, electric light, imitation tile, asphalt shingle roof, hardwood floors. Owner taking sub-bids.

Fire House, Mahanoy City, Pa. Architect, Wm. H. Lee, 1505 Race street, Philadelphia. Owners, Good American Hose Co., Mahanoy City, Pa. Revised plans completed. Owners ready for bids.

Church and Sunday School, McKeesport, Pa. Architects, Charles W. Bolton & Son, 1505 Race street, Philadelphia. Owners, First M. E. Church, C. F. Meyers, McKeesport, Pa. Ready for bids in one week.

Garage, Carbondale, Pa. Architects, Morris & McHale, Mears Building, Scranton, Pa. Owner, Joseph Krantz, Carbondale, Pa. Hollow tile, steel, 60x60 feet, slag roof, concrete floors, electric light. Owner will build.

Theatre and Club, White Haven, Pa. Architect, J. A. McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owners, American Legion, Andrew Funke, White Haven, Pa. Brick, hollow tile and stucco, two stories, 45x90 feet, slag roof, pine floors, roof ventilators,

ornamental iron work, iron stairs, metal lath, steam heat, electric light. Plans in progress. Architect will be ready for bids next week.

Church, Wanamie, Pa. Architects, Schroeder & Schmitt, Weitzenkorn Building, Wilkes-Barre, Pa. Owners, St. Mary's Lithuanian Congregation, Rev. J. Milianska, Wanamie, Pa. Brick, steel, one story and basement, 39x95 feet, asbestos shingle roof, pine floors, steam heat, electric light, metal lath. Architect ready for bids, due May 1st.

Bank, Duncannon, Pa. Architect, Austin Reilly, Bennett Building, Wilkes-Barre, Pa. Owners, Wyoming National Bank, Mr. Henning, President, Duncannon, Pa. Cast stone, steel, brick, one story, 26x85 feet, composition roof and floors, roof ventilators, metal window guards, ornamental iron work, skylights, steel sash, steam heat, electric light. Owners taking bids.

Store and Apartment, South River street, Wilkes-Barre, Pa. Architect, Ralph M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owner, Louis Cohen, care of architect. Brick, steel, three stories, 25x60 feet, slag roof, oak floors, ornamental iron work, iron stairs, tile and marble work, steam heat, electric light. Architect taking bids, due April 27th.

Residence and Garage, Latham Park, Pa. Architect, Conrad Neff, Twelfth and Locust streets, Philadelphia. Owner's name withheld. Cinder concrete block, cut stone, brick, 2½ stories and 1½ stories, 41x35 feet, garage 18x23 feet (electric, heating, plumbing reserved), slate (green) roof, oak floors, wire lath, tile and marble work, bond, ornamental iron work. Architect taking bids, due April 27th.

Apartment and Office Building, 1113 Erie avenue, Norristown, Pa. Architect, H. Gordon McMurtrie, 1012 Walnut street, Philadelphia. Owner, Charles D. McAvoy, care of architect. Brick, cut stone, three stories 123x29 feet, slate roof, hollow metal sash, mill-work, cement work (heating, electric, plumbing, kitchen equipment, linoleum, tile, marble, closet beds reserved). Architect taking bids, due April 27th 5 P. M., at 500 Stanbridge street, Norristown, Pa.

Residence and Garage, Canadensis, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, T. Barome, care of architect. Frame and stucco, 2½ stories, 32x43 feet, shingle roof, hardwood floors, steam heat, electric light, tile work. Architect ready for bids, due May 1st.

George Morris Phillips Memorial Hospital, West Chester, Pa. Architects, Price & Walton, 119 South Fourth street, Philadelphia. Owners, Board of Trustees, West Chester Normal School, West Chester, Pa. (Plumbing, heating, electric, ventilating separate bids.) Bond, deposit 50.00 refunded. Owner taking bids, due May 7th 2 P. M. (S. T.) Plans may be obtained from the architect.

School, Wayne, Pa. Architect, I. T. Catherine, 701 Weightman Building, Philadelphia. Owners, Board of School Directors, Radnor Township, Radnor, Pa. Brick, concrete, steel, granite, two stories and basement, 185x197 feet (plumbing, heating, electric, ventilating, cabinet work reserved), metal lath, tile and marble work, rolled steel sash, copper skylights, steel rolling doors, bond, iron stairs, ornamental iron work, cut stone, ornamental plaster, water and dampproofing, metal weatherstrip, hollow tile, maple, pine, wood block, oak and cement floors, composition roof. Owners taking bids, due April 30th.

Garage, Lackawanna avenue, Scranton, Pa. Architect, Lester M. Davis, 616 Spruce street, Scranton, Pa. Owner, P. J. Casey, Hotel Casey, Scranton, Pa. Steel, brick, concrete, four stories, 120x160 feet, composition roof, concrete floors, hollow tile, roof ventilators, waterproofing (heating, plumbing and electric reserved), rolled steel sash, hollow metal

skylights and doors, floor hardner, concrete stairs. Architect taking bids, due April 27th.

Residence and Garage, Haverford, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Mrs. Catherine Muckle, care of architect. Brick, steel, 2½ stories, 89x39 feet, garage 27x47 feet, copper roof, oak, pine and cement floors, hot water heat, electric light, tile work, ornamental iron work. Architect taking bids, due April 24th.

Hospital (remodeling and add.), Columbia, Pa. Associated architects, Amos Barnes, Perry Building, Philadelphia; Granville E. Paules, Columbia, Pa. Owners, Columbia Hospital (Board of Directors), Columbia, Pa. General remodeling of present building, new addition, brick, concrete, steel, three stories and basement, 41x60 feet. Owners taking bids, due May 4th.

School, Narberth, Pa. Architects, H. Rex Stackhouse & W. W. Donohoe, 1120 Locust street, Philadelphia. Owners, St. Margaret's Roman Catholic Church, Rev. R. F. Crowley, premises. Brick, cut stone, cast stone, reinforced concrete, steel, two stories and basement, 55x76 feet, slag roof, composition and maple floors, roof ventilators, metal weather-strip, stairs (iron), dampproofing, ornamental iron work, bond, tile work, metal lath, electric light, concrete block. Architects taking bids, due April 28th.

Store, Residence and Garage, Llanerch Hill, Delaware County, Pa. Architect, C. C. Schweiker, 29 Garfield avenue, Manoa Heights, Delaware County, Pa. Owner, Nick Marino, 6215 Race street, Philadelphia. Cement block, two stories, 18x70 feet, slag roof, pine floors, hot water heat, electric light, tile bath, metal ceilings. Owner taking bids.

Bank Building, Bethlehem, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Lehigh Valley National Bank, Bethlehem, Pa. Brick, granite, cut stone, steel, one story and basement, 134x60 feet, cement floors, composition roof, plumbing, metal lath, hollow tile, roof vents, archt. terra cotta, bronze work, wrought iron pipes, ornamental iron work, bond, hollow metal sash and doors, marble and terrazzo work, steam heat, electric light. Architects taking bids, due May 7th.

Warehouse, Bethlehem, Pa. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owner, John F. Stefko, Washington and Newton avenue, Bethlehem, Pa. Brick, steel, one story, 100x60 feet, slag roof, concrete floors, hollow tile, waterproofing. Owner taking bids.

Grade and High School (add.), Oxford, Chester County, Pa. Architect, H. Y. Shaub, 20½ N. Queen street, Lancaster, Pa. Owners, Oxford Board of Education, Mr. Collins, Secretary, Farmers' Bank Building, Oxford, Chester County, Pa. Architect taking bids, due May 4th at noon.

School, Huntingdon Valley, Pa. Architects, Druckenmiller & Williams, 1537 Chestnut St., Philadelphia. Owners, Lower Moreland Township, W. Ridgeway, Huntingdon Valley, Pa. Low bidders: Roy Randall, Jenkintown, Pa., \$68,885; Woodland Const. Co., Sixty-fifth and Chester avenue, Philadelphia, \$72,500. Plumbing: H. & A. Shaffer, Jenkintown, Pa., \$790. Heating: J. O. Donnell Co., 407 Locust St., Philadelphia, \$12,400.

John Harris High School, Harrisburg, Pa. Architects, Lappley & Hornbostel, Ebner Building, Harrisburg, Pa. Owners, Harrisburg School Board, 121 Chestnut street, Harrisburg. Lowest bidder: C. W. Strayer, Thirteenth and Thompson streets, Harrisburg, Pa., \$822,000. All bids rejected. Owners will take revised bids in one week.

Road Work, Pennsylvania. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa. Owners taking bids due May 1st at 10 A. M.

Allegheny County, R-70, Tarentum Borough, 3,938 feet. One course reinforced concrete. Certified check, \$1,500.

Beaver County, R-347, A-3138, Franklin Township, 5,591 feet. One course reinforced concrete. Certified check, \$1,500.

Berks County, A-3220, Center Township, Centerport Borough, 12,214 feet. One course reinforced concrete. Certified check, \$2,500.

Bradford County, R-299, A-2341, Monroeton Borough, 4,025 feet. One course reinforced concrete. Certified check, \$1,500.

Butler County, R-75, A-3384, Summit and Oakland Townships, 10,560 feet. One course reinforced concrete. Certified check, \$2,000.

Cameron County, R-105, Sec. 3, Lumber and Gibson Townships, 51,826 feet. Grading and drainage. Certified check, \$4,000.

Carbon County, A-3275, Lansford Borough, 375 feet. Vitrified brick pavement on a base course consisting of 5-inch broken stone and 3-inch penetration macadam. Certified check, \$1,500.

Huntingdon County, R-193, Sec. 1, Dublin Township, 40,318 feet. Grading and drainage. Certified check, \$4,000.

Indiana County, R-337, A-3176, Centre, Brush and Green Townships, Homer City Borough, 42,470 feet. One course reinforced concrete. Certified check, \$4,000.

Mifflin County, R-28, Lewistown Borough, 3,502 feet. One course reinforced concrete. Certified check, \$1,500.

Bridges (2), (1) Station 331; (1) Station 378; Route No. 105, over Driftwood Branch of Sinnemahoning Creek, Cameron County, Pa. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa. 4 plate girder spans, 74 feet each, C-C bearings, 24 feet roadway, maximum clear height 16 feet, angle of skew 45 degrees, all in accordance with plans S-409 and S-274. Owners taking bids due May 1st at 10 A. M. Certified check, \$2,000.

Bridge, Route 241, over Meshoppen Creek, Wyoming County, Pa. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa. 3

span, reinforced concrete, 45 feet each span, 22 feet high, roadway 24 feet wide, in accordance with plans S-401, half through truss span 127 feet 6 inches, C-C of bearings, skew 45 degrees. Owners taking bids due May 2nd at 10 A. M. Certified check, \$2,000.

Road Work, Pennsylvania. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa. Owners taking bids due May 2nd at 10 A. M.

Armstrong and Indiana Counties, R-67, A-3175, 3032, Shelocta and Elderton Boroughs, Plum Creek and Armstrong Townships, 28x079 feet. One course reinforced concrete. Certified check, \$4,000.

Berks County, A-3219, Cumco Township, 4,373 feet. One course reinforced concrete. Certified check, \$1,500.

Blair County, R-221, Logan Township, 12,751 feet. One course reinforced concrete. Certified check, \$2,500.

Carbon County, A-3283, East Penn Township, 22,707 feet. One course reinforced concrete. Certified check, \$3,500.

Clinton County, R-105, Renovo Borough, 3,419 feet. One course reinforced concrete. Certified check, \$1,500.

Dauphin County, R-140, T-2924, Sec. 2, Lower Paxton and West Hanover Townships, 12,153 feet. One course reinforced concrete. Certified check, \$2,000.

Erie County, A-3346, 3347, Girard Township, 1,800 feet. Either bituminous surface course on concrete foundation or one course reinforced concrete. Certified check, \$1,500.

Indiana County, R-262, Sec. 4, Cherry Hill and Green Townships, Clymer Borough, 40,136 feet. One course reinforced concrete. Certified check, \$4,000.

Schuylkill County, R-199, Sec. 1, Porter, Tremont and Frailey Townships, Tremont and Tower City Boroughs, 59,690 feet. One course reinforced concrete. Certified check, \$4,000.

Westmoreland County, R-302, Sec. 2, St. Clair Township, 6,312 feet. One course reinforced concrete. Certified check, \$1,500.

PENNSYLVANIA

Contracts Awarded

Meeting House (alts.), Swarthmore, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Friends' Meeting House, Swarthmore, Pa. Concrete and cement work, bond, stone work, brick work, cut stone, plastering, iron work, carpentry and millwork, plumbing (alts.), painting and glazing, composition floors. Contract awarded C. C. Eddleman, 1627 Sansom street, Philadelphia.

Warehouse, Fifth and Upland streets, Chester, Pa. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owner, William E. Headley, on premises. Reinforced concrete, steel, 5 stories and basement, 101x126 feet (elevator, electric heating reserved), Carey Feltex roof, cement floors, hollow tile, plumbing, dampproofing, ornamental iron work, bond, copper bulks, bond, hollow metal doors, rolled steel sash, metal lath, vault doors. Contract awarded Chester Cont. & Const. Co., Chester, Pa., but not yet signed.

Residence, Haverford, Pa., \$100,000. Architects, Mellor, Meigs & Howe, 205 South Juniper street, Philadelphia. Owner, Robert J. Holden, 14 South street, Philadelphia. Stone, brick, cut stone, 2 stories and basement, 138x40 feet, wing 23x24 feet (plumbing, heating, electric reserved), metal lath, tile and marble work, hollow metal sash, ornamental iron work, painting and glazing,

flagstone, copper roof, oak and pine floors. Contract awarded H. H. Burrell, 206 South Quince street, Philadelphia.

Residence, Elkins Park, Pa. Architect, private plans. Owner, George Goetsch, care of Quaker Hosiery Co., Twenty-second and Lehigh avenue, Philadelphia. Stone, 2½ stories, 44x27 feet, slate roof, oak and pine floors, hot water heat, electric light, tile work, ornamental iron work. Contract awarded T. S. Fetter, 1829 Filbert street, Philadelphia.

Residence and Garage, Front and Wisconsin, Harrisburg, Pa. Architects, Mellor, Meigs & Howe, 205 South Juniper street, Philadelphia. Owner, Ralph J. Baker, Telegraph Building, Harrisburg, Pa. Stone, 2½ stories, 23x82 feet, wing 13x16 feet, 11x14 feet, 20x21 feet, garage 21x24 feet, slate roof, hardwood, cork and cement floors, flagstone, hot water heat, electric light, tile work. Contract awarded Barnes & Ritchie, 10 East Forty-third street, New York.

Athletic Field, Eleventh and Twelfth street, Church and Willow street, Easton, Pa. Architect, M. Chidsy, Jr., Easton, Pa. Owners, Easton School District, Easton, Pa. Concrete work, iron work, grading, cinder track, waterproofing. Contract awarded T. M. Gibbs Const. Co., 1510 Chestnut street, Philadelphia.

Swimming Pool, Olyphant, Pa. Engineers, J. J. Howley & W. A. Taylor, Traders' Bank

Building, Scranton, Pa. Owners, Borough of Olyphant, care of engineers. Reinforced concrete and steel, 100x200 feet, 50x1000 feet, swimming pool equipment, play ground equipment, waterproofing. Contract awarded to Sweeney Bros., Miller Building, Scranton, Pa.

Factory (add.), Scranton, Pa. Architect, G. T. Price, Miller Building, Scranton, Pa. Owners, Canova Silk Co., 970 Ridge avenue, Scranton, Pa. Frame, stucco, two stories, 34x60 feet, slag roof, pine floors, electric light, rolled steel sash. Contract awarded to Behlke Bros. 145 Morris Court, Scranton, Pa.

Residence, Elkins Park, Pa. Architect, Harry Gardner, Allentown, Pa. Owner, Michael Garula, Mahanoy City, Pa. Mt. Airy granite, vapor heat, electric work, 2½ stories, 40x60 feet, metal lath, tile and marble work, tile roof, hardwood and pine floors. Contract awarded J. W. Emery, 34 South Sixteenth street, Philadelphia.

Service Station, Mifflin avenue, Scranton, Pa. Architect, Lester M. Davis, 616 Spruce street, Scranton, Pa. Owners, Supreme Oil & Service Co., Scranton, Pa. Brick, structural steel, one story, 14x24 feet, 22x32 feet, tile roof, concrete floors, steam heat, electric light. Contract awarded to Cortese & Cantafio, 1104 Wood street, Scranton, Pa.

Residence, Melrose Park, Pa., \$12,000. Architect, private plans. Owner, Mr. Benson, care of builder. Frame, stucco, 2½ stories, 25x38 feet, slate roof, oak and pine floors, plumbing, hot water heat, electric light, tile work. Contract awarded Albert Dunlap, 7223 Oak avenue, Oak Lane, Philadelphia.

Kitchen (add.), Elizabethtown, Pa. Architect, private plans. Owner, Elizabethtown, Pa. Stone, cut stone, three stories and basement, 40x60 feet, variegated slate roof, maple floors, metal lath, kalamein door. Contract awarded Hughes Fulkrod Co., Commonwealth Building, Philadelphia.

School, Harvey's Lake, Pa., \$27,815. Architect, H. G. Cook, Miners' Bank Building, Wilkes-Barre, Pa. Owners, School District of Lake Township, G. C. Armitage, Alderson, Pa. Concrete block, one story, 58x108 feet, built-up roof (heating, electric and plumbing separate). Contract awarded to Berwick Lumber and Supply Co., Berwick, Pa. Heating: American Heating and Ventilating Co., 1505 Race street, Philadelphia. Electric: Geo. E. Killer Bros., Allentown, Pa.

School, Luzerne, Pa. Architect, H. G. Cook, Jr., Miners' Bank Building, Wilkes-Barre, Pa. Owners, St. John's R. C. Church, Miller street, Luzerne, Pa. Frame, two stories and basement, 56x118 feet, built-up roof, wood and composition floors, roof ventilators, metal ceilings, steam heat, electric light, bond, ornamental iron work. Contract awarded to Berwick Lumber and Supply Co., Berwick, Pa.

Residence (add. and alts.) to Library, Kingston, Pa. Architects, Mack & Sahn, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Hoyt Library, Borough of Kingston, Kingston, Pa. Brick, stucco, two stories, hardwood floors, electric work (heating, plumbing and electric separate), general alterations, iron stairs. Contract awarded to W. B. Richards, Simon Long Building, Wilkes-Barre, Pa.

Parochial School (add.), Honesdale, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, care of architects. Brick, structural steel, two stories and basement, 60x85 feet, 32x32 feet, slag roof, pine floors, vapor heat, electric light, skylights. Contract awarded to J. J. Gibbons, Avoca, Pa.

Warehouse, Wilkes-Barre, Pa. Architects, Mack & Sahn, Coal Exchange Building, Wilkes-Barre, Pa. Owners, People's Outfitting Co., 103 South Main street, Wilkes-Barre, Pa. Brick, fireproof, 6 stories, 200x80 feet, slag roof, concrete floors, electric light,

elevators, roof ventilators steel sash. Contract awarded to O. J. Behrens, 179 Blackman street, Wilkes-Barre, Pa.

New Jersey Construction News

Theatre, Boardwalk and Missouri Avenue, Atlantic City, N. J. Architect, Hoffman Henon, Inc., Finance Bldg., Philadelphia. Owner, Stanley Co. of America, 1916 Race Street, Philadelphia. Brick, steel, terra cotta, slag roof, cement floors, hollow tile, water and dampproofing, fire doors, tile and marble work, metal lath, electric light, steam heat. Preliminary plans in progress.

Residence, Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Dr. Charles R. Sista, 476 Hamilton St., Trenton. Brick, 2½ stories. Preliminary plans in progress.

Convent, Camden, N. J. Architect, A. B. Gill, 328 Market Street, Camden, N. J. Owners, St. Joseph's Church Rev. Czernecki, 10th and Liberty Streets, Camden, N. J. Brick, 3 stories, 36x48 feet slag roof, pine floors, hot water heat, electric light. Plans in progress.

Residence (alts.), Woodstown, N. J. Architect, A. B. Gill, 328 Market Street, Camden, N. J. Owner, name withheld. General alterations, shingle roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Residences (6), West Collingswood, N. J. Architect, A. B. Gill, 328 Market Street, Camden, N. J. Owner, Fred Boehm, West Collingswood, N. J. Stone, brick, cinder-block, 2 stories 16x36 feet, tile and slag roof, hardwood floors, hot water heat, electric light, tile work. Owner will take sub-bids.

Residences (11) 20th and Harrison Streets, Camden, N. J. Architect, A. B. Gill 328 Market street, Camden, N. J. Owner, James Halbert, Camden, N. J. Hollow tile, block, brick, 2 stories, 15x36 feet, slag roof, pine floors, hot air heat, electric light. Owner will sub-let.

Bungalow, Belmar, N. J. Architect, A. B. Gill, 328 Market Street, Camden, N. J. Owner, James Vincent, Belmar, N. J. Frame, 1½ stories, 26x42 feet, shingle roof, pine floors, hot air heat, electric light. Owner will build.

Residence, Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City. Owner, R. L. Beyer, 1915 Atlantic Ave., Atlantic City, N. J. Brick, frame, 2½ stories, 30x50 feet, slate or tile roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans in progress. Owner will take bids.

Residence, Ventnor, N. J. Architect, H. V. Mathis, Guarantee Trust Building, Atlantic City, N. J. Owner, William Blickel, Atlantic City, N. J. Frame and brick, 2½ stories, 26x34 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Owner will take bids.

City Hall (alts. and add.), Somers' Point, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City, N. J. Owners, Somers' Point, care of City Clerk, Somers' Point, N. J. Brick, stucco, 2 stories, 39x29 feet, clay tile roof, hardwood floors, steam heat, electric light, tile and marble work. Architect taking bids due May 8th.

Cottage (alts. and add.), Pleasantville, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City, N. J. Owner, Harry Brewin, Pleasantville, N. J. Brick, 2½ stories, 20x20 feet, 26x40 feet, Spanish tile roof, hardwood floors, hot water heat, elec-

tric light, tile work. Plans in progress. Owners will sub-let.

School, Frenchtown, N. J. Architect, J. M. Pearson & Son, Perth Amboy, N. J. Owner, School Board of Frenchtown, Frenchtown, N. J. Brick construction. (Heating, plumbing, electric, reserved.) Owners taking bids due April 23rd.

Hospital Buildings, Asyla, N. J. Architect, Walter W. Sharpley, 225 Washington Square, Phila. Owners, County of Camden, Board of Chosen Freeholders, Insane Hospital Committee, Court House, Camden, N. J. Brick, reinforced concrete, steel, cut stone, plaster slate and promenade tile roof, concrete, mastic and wood floors, hollow tile, tile and marble work, bond, steel stairs. (Heating, plumbing, ventilating, electric work and fixtures, reserved. Owner taking bids due May 11th, 2 P. M. (S. T.) Deposit \$100.00. Refunded \$90.00. Certificate check 10% of bid.

Buildings, Custodial Insane Bldg., 3½ stories, 35x338 feet. Nurses' Home, brick, slow burning, 2½ stories and basement, 4x151 feet. Covered bridge, concrete brick, fireproof, 300 feet long, 1½ feet wide. Insane Asylum building. (Alts.) Plans may be secured from architect.

Buildings, Asyla, N. J. Architect, Walter W. Sharpley, 225 Washington Square, Philadelphia. Owner, County of Camden, Board of Chosen Freeholders, County Farms Committee, Court House, Camden, N. J. Brick, reinforced concrete, steel, cut stone, plaster slate and promenade tile roof, concrete, mastic and wood floors, hollow tile, tile and marble work, bond, steel stairs. (Heating, ventilating and plumbing, electric work and fixtures reserved.) Isolation Building, 2½ stories and basement, 35x136 feet. Infirmary Building, 2½ stories and basement.

BUILDERS SUPPLIES

CAMDEN MATERIALS COMPANY

1345-51 PINE STREET
CAMDEN, N. J.

CEMENT

SAND PEBBLES
LIME SLAG
PLASTERING MATERIALS
TERRA COTTA PIPE

MARBLE TILE

MOSAIC and CERAMICS

Camden Tile Co.

1484 Bradley Avenue
CAMDEN, N. J.

BELL PHONE, CAMDEN 3827 W

shape, 35x133 feet, 62x26 feet. Connecting corridors, Kitchen. Deposit \$100. Refunded \$90. Certified check 10% of bid. Owner taking bids due May 11, 1 P. M., (Standard Time.)

Church, Trenton, N. J. Architect, R. A. Schumann, 202 W. State Street, Trenton, N. J. Owners, Union Baptist Church, Rev. D. J. Stewart, care of Architect. Stone, 1 story and basement, 45x95 feet, slate roof, hardwood floors, ornamental iron work, steam heat, electric light. Architect taking bids.

Roofing and Painting Work, Beverly National Cemetery, Beverly, N. J. Owner, Commanding Officer, P. G. M. Depot, F. E. Davis, 21st and Oregon Avenue. Copper gutters, Nu-Dura tin roof. Owners ready for bids due April 23rd 11 A. M.

Residences (44), 1220-40 & 1221-41 N. 20th Street, 1221-41 N. 21st St., and 1220-40 N. 19th Street, Camden, N. J., \$176,000. Architect, A. B. Gill, 328 Market Street, Camden, N. J. Owner James Halbert, 6550 Paschall Ave., Philadelphia. Brick, 2 stories, 15x36 feet, slag roof, hot water heat, electric light. Owner will build.

Residences (2), 456-58 N. 34th Street, Camden, N. J., \$8,000. Architect, private plans. Owner, Russell H. Post, 411 N. 34th Street, Camden, N. J. Block, 2 stories, 14x38 feet, slag roof, hot water heating. Owner will build.

Residence, 1038 Lois Ave., Camden, N. J., \$3000. Owner, Harry Lewis, 3118 N. 15th St., Philadelphia. Frame, 2 stories, 24x29 feet, slate surface roof, hot water heat, electric light. Owner will build.

Comfort Station, Ventnor, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owners City of Ventnor, N. J. All bids rejected. Owners will take revised bids.

New Jersey Contracts Awarded

School, Bridgeton, N. J. Architect, Robert J. Reilly, 50 West Forty-first street, New York City. Owners, Church of the Immaculate Conception, Rev. F. Lanagan, premises. Brick, steel, cut stone, 3 stories and basement, 58x86 feet, slag roof, maple floors, plumbing, architectural terra cotta, ornamental iron work, steam heat, electric light. Contract awarded Hurley Bryan Co., 117 South Twentieth street, Philadelphia.

Low and Middle Grade Building, Recreation and Assembly Buildings, Vineland, N. J. \$250,000. Architects, Dept. of Institutions and Agencies, Trenton, N. J. Owners, State Home for Feeble Minded Women, Vineland, N. J. Brick, granite steel, Low and Middle Grade Buildings, 2 stories and basement, 110x50 feet Recreation Building, 1 story and basement and gallery, 117x75 feet, slag, slate, canvas roof, maple and cement floors, hollow tile, metal lath, tile and marble work, hollow metal sash, Bond, (plumbing, heating and electric work, separate) limestone, bluestone. Contract awarded to Wills Bill Co., 1706 Sansom Street, Philadelphia.

Convent, Collingswood, N. J. Architect, W. Ferdinand Durang, 1220 Locust Street, Philadelphia. Owner, St. John's Parish, Rev. J. J. O'Farrell, Collingswood, N. J. Stone, cut stone, brick, steel, stucco, 3 stories and basement 44x24 feet, (heating, plumbing, gas piping, electric work res.) slag and slate roof oak and pine floors, metal lath, tile and marble work, bond, cut cast stone, waterproofing, terra cotta. Contract awarded to Sutton & Stephenson, 1317 Washington Ave., Philadelphia.

Apartment House, 322 Penn Street, Camden, N. J., \$15,000. Architect, A. B. Gill, 328 Market Street, Camden, N. J. Owner, A. S. Cades 300 Cooper Street, Camden, N. J. Brick, 3 stories, 18x84 feet, slag roof, hardwood and pine floors, steam heat, electric light, tile work. Contract awarded to Andrew H. Gray, 320 Penn Street, Camden, N. J.

Residence (1), Store and Residence (1), 1548-50 Louis Street, Camden, N. J. Architect, private plans. Owner, Jos. Jawisa, Camden, N. J. Brick, 2 stories, 14x42 feet, 16x41 feet, Garage, 10x16 feet, slag roof, hot water heat electric light. Contract awarded to Philip Grabowski, 1208 Chase Street, Camden, N. J.

Residence, Greenwood Avenue, Trenton, N. J. Architect, R. A. Schumann, 202 W. State Street, Trenton, N. J. Owner, Joseph Marsh, 244 Oak Street, Trenton, N. J. Brick, 2 stories, 22x45 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to W. Miga, care of Owner.

Residence, Trenton, N. J. Architect, W. A. Kiemann, First National Bank Building, Trenton, N. J. Owner, Wm. Darling 514 E. State Street, Trenton, N. J. Stone, 2½ stories, 28x43 feet, slate roof, hardwood floors, tile work hot water heat electric light (plumbing reserved). Contract awarded to Wm. Burton American Mechanics Bank Building, Trenton, N. J.

Residences (3), Pitney Avenue, Atlantic City, N. J. Architect, D. W. B. Haining, Guarantee Trust Building, Atlantic City, N. J. Owner, H. Abel, Atlantic City, N. J. Brick, cinder block, 2½ stories, 16x40 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to M. Sieger, Atlantic City, N. J.

Residence, 3322 Mitchel Street, Camden, N. J., \$6,500. Architect, private plans. Owner, Thomas Pagan, 3506 Westfield Avenue, Camden, N. J. Brick, 2 stories, 24x34 feet, slag roof, hot water heating. Contract awarded to Adam Stephen, 3275 Pelham Place, Camden, N. J.

Residence, 646 N. 32nd Street, Camden, N. J., \$4,000. Architect, private plans. Owner, Roland McMahon, 237 N. Broad Street, Woodbury, N. J. Frame, 2 stories, 24x26 feet, slate surface roof, hot water heat. Contract awarded to Albert Seidelman, Woodbury, N. J.

Miscellaneous Construction News

U. S. Post Office, Mystic, Conn. Architect, J. A. Wetmore, Washington, D. C. Owner, Treasury Department, U. S. Government, Washington, D. C. Brick, steel, 1 story, 62x64 feet, composition roof, cement and maple floors, hollow tile, plumbing, roof ventilators, metal weatherstrip, ornamental iron work, galvanized iron skylights, metal lath, steam heat, electric light, ash hoist wrought iron pipe. Owner taking bids due May 10th.

Residence, Delaware Avenue, Wilmington, Del. Architect, private plans. Owner, name withheld. Brick, 2½ stories, 26x50 feet, slate roof, electric light, sheet metal tile work, hardwood floors, hot water heat, electric light, steel work, steel cash. Contract awarded to P. M. DeBartolmess, 1506 W. 7th St., Wilmington, Del.

BETTER PLASTERING

A nation-wide movement is under way to cause home owners to realize the im-

portance of those parts of a building which are not *seen* but which determine the amount of repairing that will be required and the ability of the structure to resist fire. This educational campaign of the National Council for Better Plastering is designed to awaken an appreciation of plastering as the most important contract in building a home and to acquaint people with the fact that the plastering base, itself unseen, determines the satisfaction the plastered surfaces will give.

To the lather and the plasterer this Better Plastering movement brings a welcome feeling that his work will be brought to the attention of the owner in a more favorable light, with a clearer understanding, and that the present low quality tendency in interior finish will be discouraged.

To our millions of home owners the efforts of the National Council for Better Plastering will point the way to plastered surfaces that retain the beauty of newness and reduce the annual loss of 7,500 lives and \$88,000,000 in property from fires alone.—emphasizing to the owner the importance of the hidden parts of the home and showing why a permanent plastering base is essential in the first step toward a return to that stability we so admire in Old World buildings. This educational campaign is supported by those who are vitally affected by the present low quality tendency.

The completeness with which Better Plastering is being promoted is indicated by a letter which Mr. Oscar A. Reum, President of the Contracting Plasterers' International Association, is mailing to plastering contractors urging that they bid on Better Plastering, even though the original specifications do not call for such bids.

Lathers who appreciate that a permanent base is the only kind worth using, favor Better Plastering. Plasterers, too, prefer to work on a base that does not discredit their art. Plastering contractors are ready and willing to do Better Plastering on a steel base so that their work may be permanent.

It remains for us to influence the final buyer in doing something that is for his own good. Here the architect is afforded an opportunity to aid in a worth while effort to reduce the loss of 7,500 lives and \$88,000,000 in property destroyed by fire, and to give the buyer maximum assurance of freedom from repair and upkeep.

A booklet entitled "Better Plastering" is available to those interested in making the plastered surfaces of the home permanent and safe from fire. A copy will be sent free on request to the National Council for Better Plastering, 819 Madison Square Building, Chicago.

Reference Directory for Architects, Builders and Owners

ARTESIAN WELLS.

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS AND ARCHITECTS' SUPPLIES.

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

ASPHALT CONSTRUCTION.

Rulon, Ralph V.239 N. 30th St., Phila.

BLUE PRINTS.

Blue Print Shop.1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

BLUE PRINT PAPER.

Blue Print Shop.1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS.

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

BRICK.

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.

BRICK (Face, Common, Paving).

Holloway Corporation.105-107 S. Third St., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS.

Mitchell Bros.2125 Race St., Phila.

BUILDING NEWS.

Daily Building News.Perry Bldg., Phila.

BUILDERS' SUPPLIES.

Camden Materials Co.1345 Pine St., Camden, N. J.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT.

Camden Materials Co.1345 Pine St., Camden, N. J.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK.

D'Lauro, John55 E. Mermaid Lane, Phila.
Harsch, Wm. F.Narberth, Pa.
Massiah, Frederick. Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

COLUMNS (Metal).

Pearce Fireproof Co.1911 N. 2nd St., Phila.

COMPOSITION FLOORING.

Penna. Flooring & Woodoleum Mfg. Co.,
34 S. 17th St., Phila.

CONCRETE WORK.

Harsch, Wm. F.Narberth, Pa.
Massiah, Frederick. Juniper and Cypress Sts., Phila.

CONTRACTOR'S EQUIPMENT

Lee T. Ward Co.617 Filbert St., Phila.

CORK FLOORING

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

CURTIS WOODWORK.

Gillingham Co.Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS.

Building News Pub. Co.Perry Bldg., Phila.

DAMP-PROOFING.

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger.829 N. 3rd St., Phila.
Concrete Waterproof Paint Co.829 N. 3rd St., Phila.

Master Builders' Co.,
Room 601, 1524 Chestnut St., Phila.

DRAWING MATERIALS.

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

ELECTRICAL SUPPLIES.

Cass, Philip, & Co.40 N. 5th St., Phila.

EXCAVATING.

Harsch, Wm. F.Narberth, Pa.
McCarriek Bros.3138 N. 24th St., Phila.
Morrissey Bros.4345 N. 7th St., Phila.

FENCES.

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co.Erie Ave. & "D" St., Phila.
Reisbord, Wolf.4437-43 Ludlow St., Phila.

FIREPLACE EQUIPMENT.

Martin, E. V.1025 Arch St., Phila.
F. R. Rosen.5216 Walnut St., Phila.

FIREPROOFING.

Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLOOR HARDENER.

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Concrete Waterproof Paint Co.829 N. 3rd St., Phila.
Master Builders' Co., Room 601, 1524 Chestnut St.
Truscon Laboratories.1505 Race St., Phila.

FLOOR PLATES.

Wood, Alan, Iron & Steel Co. Widener Bldg., Phila.

FLUE LINING.

Clausen, Wm. H.27th and Diamond Sts., Phila.

FURNACES AND RANGES.

Cox, Abram, Stove Co., American and Dauphin Sts.
Fleck Bros.44 N. 5th St., Phila.
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Thomson, Wm., Inc.64 N. 2nd St., Phila.

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Philadelphia Gas Range Co.1026 Arch St., Phila.
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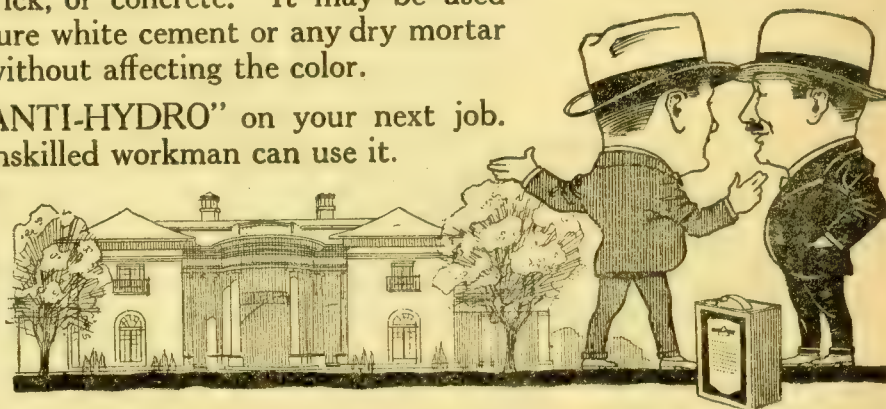
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Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XL, No. 17
April 29, 1925

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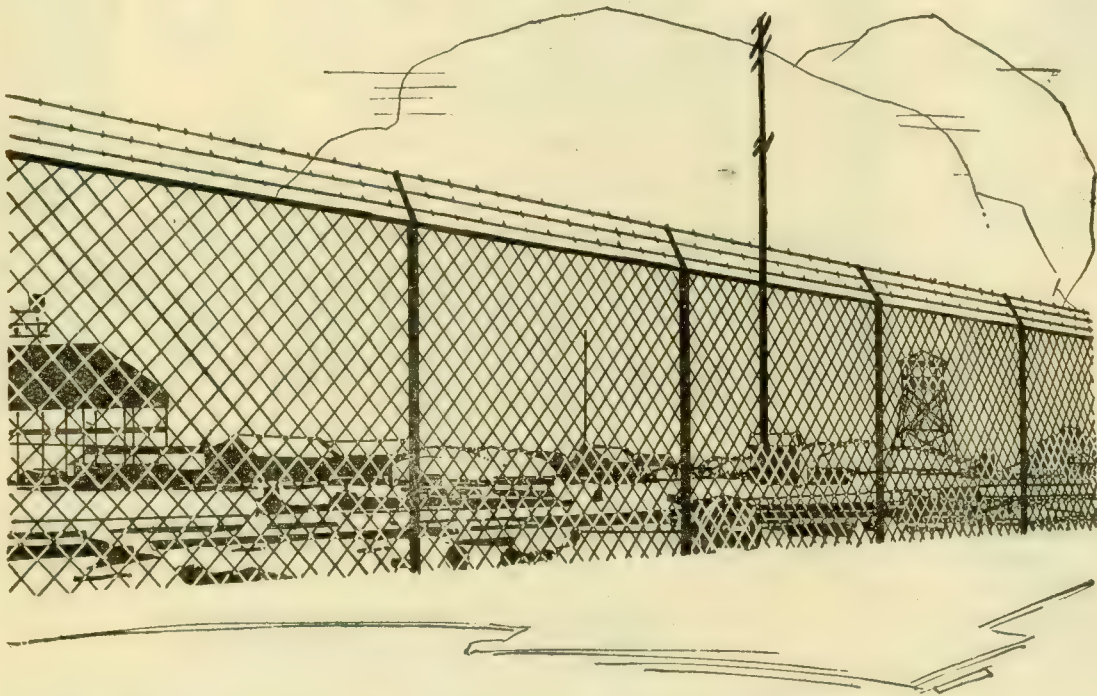
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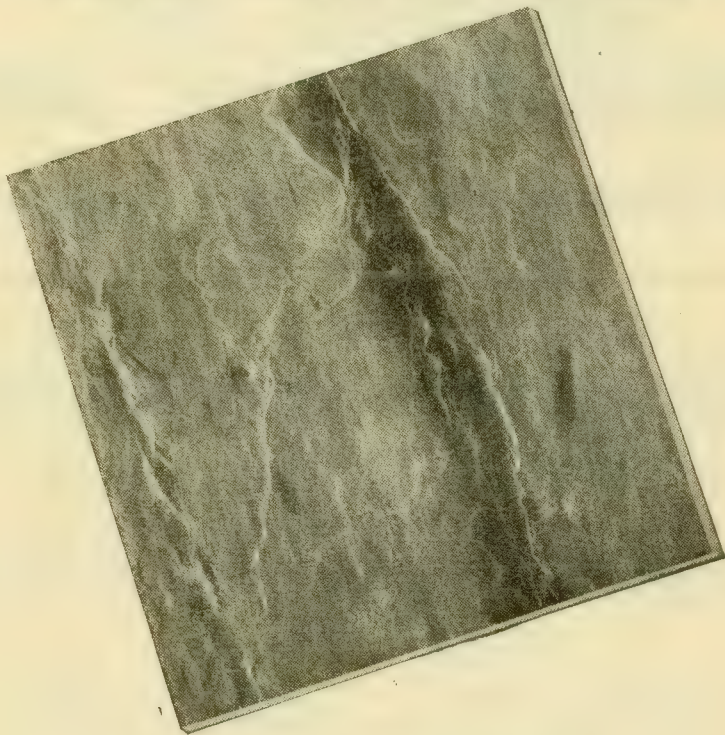
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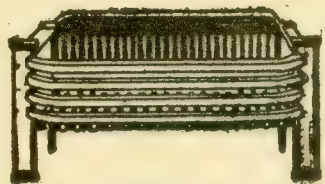
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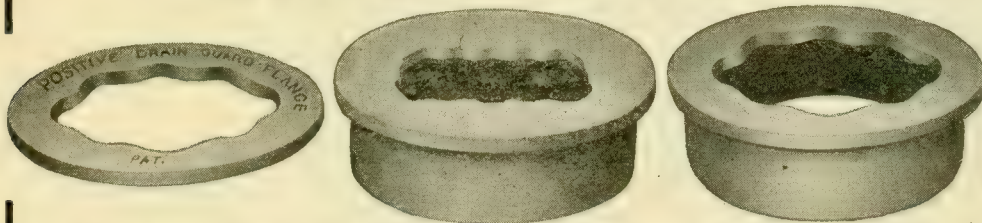
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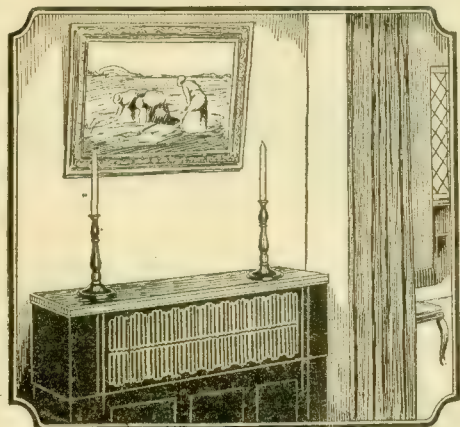
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Devoted to the Advancement of American Architecture, Structural

VOLUME XL

Engineering and the Building Trades

PHILADELPHIA

Number 17

April 29, 1925

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PUBLISHED WEEKLY

BY

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CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED: ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residences (55), Cottman and Torresdale avenue, Philadelphia. Owner, Donald J. Dugan, 1314 Land Title Building, Philadelphia. Brick, 2 stories, 15x38 feet, slag roof, hardwood floors, cement work, hot water heat, electric light, metal lath, tile work, plumbing, gas ranges, garages in basement, galvanized cornices. Owner ready for sub-bids.

Office Building, 1409-11-13-15 Arch street, Philadelphia. Architect, William G. Perry, 177 State street, Boston, Mass. Owners, United Gas Improvement Co., care of Paul Thompson, vice-president, Broad and Arch streets. Brick, steel, limestone, 13 stories and basement, 72x70 feet, slag roof, cement floors, elevators, steam heat, electric light, metal lath, tile and marble work. Plans in progress.

School Building, Chew and Upsal streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Owners taking bids due May 7th.

Residences (82), Thirty-fourth, Westmoreland and Allegheny and Spangler streets, Philadelphia, \$668,000. Owner, Michael Cylinder, 363 Roosevelt Boulevard, Philadelphia. Brick, 2 stories, 16x41 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (25), West side Akron street, South of Cheltenham avenue, \$112,700. Architect, private plans. Owner, C. Kiely, 3118 Midvale avenue, Philadelphia. Brick, 2 stories, 16x37 feet and 15x27 feet, 12x10 feet, slag roof, hardwood and pine floors, hot air heat, electric light. Owner will build.

Residences (2), Sixteenth and Chew streets, Nedro avenue and Clearview street,

\$61,500. Architect, private plans. Owner, S. S. Brenner, Southwest Corner Sixteenth and Nedro avenue, Philadelphia. Brick, 2 stories, various sizes, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Store and Garage Building, 2027-29 Sansom street, Philadelphia. Architects, The Baling Co., Twelfth and Chestnut streets, Philadelphia. Owners, Maurice and Charles Rose, North American Building, Philadelphia. Brick, steel, concrete, 4 stories, 127x115 feet, slag roof, cement floors, steam heat, electric light, reinforced concrete work. Plans completed.

Residence and Garage, Fifty-first and Wynnefield avenue, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owner, M. Zussman, Southwest Corner Fifth and Poplar streets, Philadelphia. Brick, stucco, 2½ stories, 46x44 feet, slate roof, hardwood and maple floors, metal weather strips, bond, ornamental iron work, tile and marble work, metal lath, electric light, oil burning, vapor heat. Plans in progress.

Apartment House, Fifty-third and Wynnefield avenue, Philadelphia, \$300,000. Architects, C. Harold Murphy and C. M. Talley, Drexel Building, Philadelphia. Owner, Dr. Louis Baron, 712 Porter street, Philadelphia. Stone, brick, concrete, cut stone, 4 stories and basement, 52x190 feet, slag roof (plumbing, heating, electric, elevators reserved), oak and pine floors, metal lath, tile and marble work, elevator doors, metal weather strip, ornamental iron work, bluestone, granite. Owner will build.

Residences (17), Wagner and Warnock streets, Philadelphia. Architects, Refuss & North, 1709 Sansom street, Philadelphia. Own-

er, Mr. Frank Schillig, 175 East Roosevelt Boulevard, Philadelphia. Brick, 2 stories, 15x38 feet, slag roof, hardwood floors, cement work, hot water heat, electric light, metal lath, tile work, garage in basement. Owner taking sub-bids due as soon as possible.

Garage (add.), Northeast Corner Farragut Terrace and Walnut street, Philadelphia. Architects, H. Rex Stackhouse and J. J. Donohue, 1120 Locust street, Philadelphia. Owner, J. P. Donohue, Fifty-fourth and Market streets, Philadelphia. Brick, slow burning, 1 story, 20x100 feet, slag roof, cement floors, electric light, hollow metal skylights. Owner taking sub-bids.

Garages (60), Fifty-fourth and Pentridge streets, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, name withheld. Brick, 1 story, 60x300 feet, slag roof, cement floors, Rado heat, electric light, corrugated iron partitions. Plans about completed. Owner will take sub-bids.

Church (add.), Lancaster avenue and City Line, Philadelphia. Architects, Davis, Dunlap & Barney, 1713 Sansom street, Philadelphia. Owners, Overbrook Presbyterian Church, Rev. George Emerson Barnes, on premises. Stone. Architects will be ready for bids in two weeks.

Residences (6), **Store (1)**, Southwest Corner Lawndale and Levick street. Architects, The Penwood Co., 130 North Fifteenth street, Philadelphia. Owners, Capkin & Forman, 6132 Media street, Philadelphia. Brick, stone, stucco, steel, 2 stories, 117 feet 3 inches x 56 feet 8 inches, slag and tile roof, hardwood floors, hot water heat, electric light, tile work, quarry tile. Owners taking sub-bids.

Apartment House, 331 South Smedley street, Philadelphia. Architect, Associate Ar-

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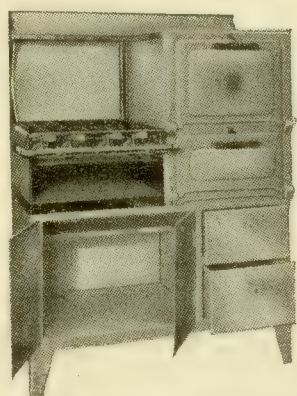
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chitects' Service Co., 1714 Bankers' Trust Building, Philadelphia. Owner, name withheld. Brick, steel, concrete, 4 stories, 20x50 feet, slag and slate roof, hardwood floors, hot water heat, electric light, tile work. Architects will be ready for sub-bids in about a week.

Residences (52), 401-453-402 to 452 Wellsley road, Germantown, Philadelphia. Architect, Frank Nickels, 15 South Twenty-first street, Philadelphia. Owner, Alfred R. Smith, Greene and Cheltenham avenue, Philadelphia. Brick, 2 stories and basement, 16x35 feet, slate roof, hardwood floors, cement work, hot water heat, electric light, metal lath, tile work, garages in basement. Architect taking sub-bids due as soon as possible.

Residence (alts. and add.), 5025 Wayne avenue, Philadelphia. Architect, E. G. Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, J. Russell Winder, 4940 Wayne avenue, Philadelphia. Brick, office add., 1 story, 18x20 feet, general alterations. Will be ready for bids in a few days.

Garage, 147 East Eleanor street, Philadelphia. Architect, M. M. Boonin, 17 South Seventeenth street, Philadelphia. Owner, Julius Berman, 6019 Market street, Philadelphia. Brick, stone, Penn Building Block, 1 story, 71x100 feet, 19x50 feet, steam heat, electric light, slag roof, cement floors, wood trusses, hollow metal sash and skylights, iron work. Owner taking bids due as soon as possible.

Store and Apartments, New Harrison Garage, Filmore street, between Duffield and Darrah streets, Philadelphia. Architect, William C. Chance, 1241 Orthodox street, Philadelphia. Owner, Charles T. Williams, on premises. Brick, steel, cast stone, 1 story, mezzanine and basement, 76x110 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash, galvanized iron skylights, fire doors, bond. Architect taking bids due May 9th.

Store and Apartment, Southeast Corner Fifth and Cambria streets, Philadelphia. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, Z. Rosenfeld, on premises. Brick, 3 stories, 18x100 feet, slag roof, hardwood floors, plastering, excavation, steel and iron work, masonry, cement work, sheet metal work, plumbing, hot water heat, electric light, tile and marble work, plate glass copper bulks, stair work. Architect taking bids due as soon as possible.

Alterations and Additions, 329 Walnut street, Philadelphia. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owners, E. R. Hunt & Co., on premises. Shoring, plastering, concrete work, stone work, brick work, structural steel, sheet and iron work, sheet metal work, slag roof, dampproofing, metal lath, plastering, carpentry and mill work, painting and glazing, electric work, plumbing. Architects taking bids due May 11th before 5 P. M.

Store (alts.), 2900 North Fifth street, Philadelphia. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, Z. Rosenfeld, on premises. Brick, cut stone, face stone, 2 stories, 40x100 feet, slag roof, rubber floors, excavation, cement, masonry, steel and iron work, plastering, sheet metal work, copper bulks, electric light, plate glass, tile and marble work, hot water heat, oil burning equipment, plumbing. Architect taking bids due as soon as possible.

Miscellaneous School Work, Philadelphia. Owner, Board of Education, Nineteenth above Chestnut street, Philadelphia. Owners taking bids May 7th, 12 noon. School building, Chew and Upsal streets, Philadelphia. Girls' High School, hot water storage tanks. Frankford High School, sectional portable steel grandstand. Various schools, sanitary improvements, electric light, repairs to heating, flag poles, repairs to roof, painting outside, cement pavements, new weather stripping, repairs and paint flag poles.

Residence and Garage, Castor road and Filmore street, Philadelphia. Architect, Frank Seeburger, 1524 Chestnut street, Philadelphia. Owner, S. B. Clift, on premises. Stone, brick, 2½ and 1½ stories, 41x23 feet, garage 12x18 feet (heating, plumbing, electric reserved), Vermont slate roof, oak floors, pine and cement, tile, ornamental iron work. Owner taking bids due as soon as possible.

Apartment House, 1410 West Dauphin street, Philadelphia. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owner, Peter Geraghty, on premises. Architect taking bids due May 1st.

Sewer Work, Philadelphia. Owners, Department of Public Works, Bureau of Engineers, 216 City Hall. Owners taking bids due May 5th, 11 A. M. (Standard Time). Schedule A, branch sewers. Schedule B, main sewers. Summerdale avenue, Magee avenue, Castor avenue, Comly street, Lorretto street.

Fire Headquarters Building, 1322 Race street, Philadelphia. City architect, John Molitor, Bankers' Trust Building, Philadelphia. Owners, City of Philadelphia, Department of Public Works, City Hall. Low bidders: M. Melody & Son, 1322 Race street, Philadelphia, \$169,000; Kober Const. Co., 34 South Seventeenth street, Philadelphia, \$180,000. Electric, Electro Const. Co., Commercial Trust Building, \$11,400. Plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$15,786; tank, \$750; A. M. Barclay, 113 North Sixth street, \$19,800, \$595. Heating, W. K. Mitchell Co., 2940 Ellsworth street, Philadelphia, \$11,940; Pool hot water boiler, \$300; oil burner, \$3,150.

Residences (18), East side F street, North of Roosevelt Boulevard, \$165,000. Architect, private plans. Owner, Dominick Iero, 519 Christian street, Philadelphia. Brick, 2 sto-



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ries, 16x30 feet, 13x18 feet, hot water heat, electric light, hardwood and pine floors. Owner will build.

Residences and Stores (2), Residences (38), Fifty-fifth and Litchfield streets, \$104,500. Owners, Marshall & Maloney, 8 South Fifty-second street, Philadelphia. Brick, (2) 2 stories, 21x32 feet, (38) 2 stories, 18x32 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Owners will build.

Residences (17), West side Warnock, North of Wagner street, \$86,000. Architect, private plans. Owner, Frank Shilling, 175 Roosevelt Boulevard, Philadelphia. Brick, 2 stories, 15x38 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (14), South side Grange, from Mascher to Howard, \$65,000. Architect, private plans. Owner, William H. George, 4329 North Fifteenth street, Philadelphia. Brick, 2 stories, 16x40 feet, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences and Garages (12), North side Durham street, West of Emlen, \$67,200. Architect, private plans. Owners, Samuel Harting & Son, 20 East Johnson street, Philadelphia. Brick, 2 stories, 20x25 feet, 9x7 feet, hardwood and pine floors, hot water heat, electric light. Owners will build.

Warehouse, Office and Garage, Luzerne and D streets, Philadelphia, \$50,000. Architect, private plans. Owners, J. Sims Wilson Co., 1125 Brown street, Philadelphia. Brick, warehouse and office, 2 stories, 52x101 feet, garage, 1 story, 60x52 feet, slag roof, cement floors, steel sash, steam heat, electric light. Owners will build.

Residences (2), Seventeenth and Lindley avenue, Philadelphia, \$15,000 total. Architect, private plans. Owner, Ray R. Rafferty, 4128 North Broad street, Philadelphia. Brick, (1) 3 stories, 16x41 feet, (1) 2 stories, 15x30 feet, 11x11 feet, hot water heat, electric light, slag roof, hardwood and pine floors, tile work. Owner will build.

Residences (6), West side Torresdale avenue, South of Devereaux street, \$8,500 each. Architect, private plans. Owner, A. Rosen, 521 Porter street, Philadelphia. Brick, 2 stories, 15x27 feet, 12x25 feet, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Residences (6), 1053-55, 1061-63, 1052-54 Bridge street, \$7,500 each. Architect, private plans. Owner, J. D. Fotheringham, 1000 Arrott street, Philadelphia. Brick, 2 stories, 16x48 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences and Garages (49), Large street, Bridge, Brill and Sanger, \$236,500. Architect, private plans. Owners, Klaus & Baxter, Southeast Corner Fifty-eighth and Hoffman streets, Philadelphia. Brick, 2 stories, (6) 16x40 feet, (43) 16x30 feet, 13x9 feet, slag roof, hardwood, pine and cement floors, hot water heat, electric light, tile work. Owners will build.

Residences (6), Mt. Pleasant avenue and Lincoln Drive, \$53,000. Architect, Arnold H. Mueller, 901 Walnut Street, Philadelphia. Owner, J. Trichonsky, 4842 Walnut street, Philadelphia. Brick, 2 stories, various sizes, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Residence and Store (1), Residence (1), Nineteenth and Erie avenue, Philadelphia, \$12,500 total. Architect, private plans. Owner, Meyer Brenner, 2334 South Fifth street, Philadelphia. Brick, 2 stories, (1) 30x16 feet, 14x10 feet, (1) 16x30 feet, 12x17 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residence, South side Walnut Lane, West of Ridge avenue, Philadelphia, \$12,000. Architect, private plans. Owner, Charles B. Bennett, 5632 Ridge avenue, Philadelphia. Brick, 2 stories, 20x41 feet, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Storage Building (add.), 3546 Ruth street, Philadelphia, \$5,500. Architect, private plans. Owner, Edward T. Enis, 3547 Kensington avenue, Philadelphia. Brick, 2 stories add., 18x70 feet, slag roof, electric lighting. Owner will build.

Garage, 5347 Alfred street, Philadelphia, \$3,800. Architect, private plans. Owner, M. Banks, 343 West Penn street, Philadelphia. Brick, 1 story, 20x75 feet, slag roof, cement floors, electric light. Owner will build.

Residence, South side Tyson street, West of Bingham street, \$5,000. Architect, private plans. Owner, George Krewson, Cheltenham, Pa. Frame, 2 stories, 24x40 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (2), Algon avenue, South of Cottman street, Philadelphia, \$5,000 each. Architect, private plans. Owner, Emil Heier, 3025 Memphis street, Philadelphia. Frame, 2 stories, 16x46 feet, 1 story, 12x6 feet, shingle roof, hardwood floors, hot water heat, electric light. Owner will build.

Residences (6), West side Oxford Pike, South of Rockwell avenue. Architect, private plans. Owner, F. H. Greenwald, 1101 Herbert street, Philadelphia. Brick, 2 stories, 16x40 feet, hot water heat, electric light, hardwood and pine floors. Owner will build.

Residence, South side Tyson street, North of Loretta street, \$5,000. Architect, private plans. Owner, John M. Smith, 2431 Memphis street, Philadelphia. Brick, 2 stories, 19x34 feet, hot air heat, electric light, hardwood and pine floors. Owner will build.

Workshop, West side Eighty-fourth street, South of Suffolk avenue, Philadelphia, \$5,000. Architect, private plans. Owner, L. Lasensky, 8308 Eastwick avenue, Philadelphia. Brick, 2 stories, 20x50 feet, slag roof, pine floors, electric light. Owner will build.

Residences (2), South side Rhawn street, East of Craig street, \$4,200 each. Architect, private plans. Owner, Walter G. Costello, 7004 Hegerman street, Philadelphia. Brick, 2 stories, 16x38 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Office, 4510 North Eighth street, Philadelphia, \$2,500. Architect, private plans. Owners, Hunsberger, Inc., on premises. Brick, 2 stories, 19x23 feet, slag roof, pine floors, electric light. Owners will build.

Residence (add.), 5523 Woodland avenue, Philadelphia, \$3,500. Architect, private plans. Owner, Morris Rubin, 5523 Woodland avenue, Philadelphia. Brick, 2 stories add., 32x17 feet 9 inches, 10x13 feet 9 inches. Owner will build.

Garage and Office, 5550 Morton street, Philadelphia, \$2,500. Architect, private plans. Owner, Charles Castor, 5806 Chew street, Philadelphia. Brick, 2 stories, 15x12 feet, 1 story, 15x48 feet, slag roof, cement and pine floors, electric light. Owner will build.

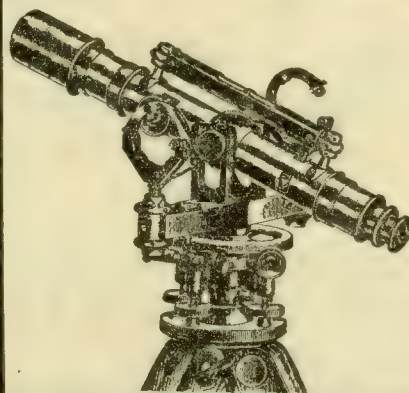
Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Engineers, 216 City Hall. Low bidders: Schedule A, Branch Sewers—Blakeman street, Vernon road to Sprague street, A. Di Sandro & Son, 3906 North Fifth street, Philadelphia, \$12,702.75. C street, from Roosevelt Boulevard to Albanus street, A. Jaffalla, 139 South Fiftieth street, \$975. Calvert street, Third to Second street, J. J. McHugh, 1617 Race street, Philadelphia, \$6,592.50. Conshohocken avenue, Forty-seventh to Forty-ninth street, Higgins & Reilly, Real Estate Trust Building, \$12,704.50. Dover street, Tasker to Morris street, Pattern & Pinerello, care of owner, \$5,263.91. Gay street, Fleming to 185 feet westward, A. J. Perna & Son, 752 South Tenth street, \$4,887. Gibson avenue, from Fifty-third street to Fifty-fourth street, Lombardi Co., Inc., Lincoln Building, Philadelphia, \$6,958. Gowen avenue, Crittenden street to Stenton avenue, Lombardi Co., Inc., Lincoln Building, Philadelphia, \$8,715. Hartel street, Craig street to Crispin street, John Hastie, 601 East Hilton street, Philadelphia, \$7,578.45. Hortel street, Boyer to Blakeman

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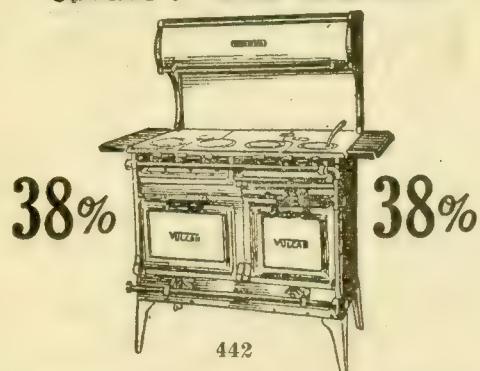
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street, N. Cassetti, care of owner, \$16,585. Hunting Park avenue, Allegheny to Napa street, Lombardi Co., Lincoln Building, Philadelphia, \$6,670. Lansing street, Craig street to Crispin street, John Hastie, 601 East Hilton street, Philadelphia, \$7,138.25. Locust street, Forty-eighth to Forty-ninth street, William McIntyre, care of owner, \$4,622.43. Louis street, Middleton to Walnut Lane, J. J. McHugh, 1617 Race street, Philadelphia, \$4,495.85. Magnolia street and other streets, N. Cassetti, care of owner, \$27,603.75. Natrona street, Allegheny to Lippincott street, D. Di Sandro & Son, 3906 North Fifth street, \$4,762. Nedro avenue, from Nineteenth to Kemble avenue, John Hastie, 601 East Hilton, Philadelphia, \$10,993.75. Oxford street, Griscom street, Frankford avenue, J. J. McHugh, 1617 Race street, Philadelphia, \$4,864.04. Sedgwick street, Wissahickon avenue to Wayne, E. F. Bennis, 5648 Chew street, Philadelphia, \$11,710. Shelmire street, Torresdale avenue to Edmund street, A. Bonatitabious, care of owner, \$7,442.28. Seventy-second avenue, North from Broad street to Old York road, Lombardi Co., 6325 Chew

street, Philadelphia, \$12,290. Tulip street and other streets, P. Ventresco, 6325 Chew street, Philadelphia, \$27,512. Thirty-third street, Allegheny avenue to Clearfield street, Lombardi Co., Inc., Lincoln Building, \$8,758. Wellesley road, McCallum street to Cherokee street, A. Bonatitabious, care of owner, \$12,130.20. Wellesley road, Cherokee to Emlen street, N. Cassetti, care of owner, \$9,939.50. Woodcrest avenue, Fifty-sixth to Fifty-seventh street, A. A. Pasture, 5906 Woodland avenue, Philadelphia, \$7,600. Wynnefield avenue, Fifty-sixth to Fifty-seventh street, A. A. Pasture, 5906 Woodland street, Philadelphia, \$11,789.50. Schedule B, Main Sewers—Crabtree avenue and Rowland street, P. & A. J. Ellis, 5724 North Marshall street, Philadelphia, \$72,492. Colgate street, Wakeling and Comly street, Robert R. Ryan, Lincoln Building, Philadelphia, \$61,055.50. Schedule C, water pipe and connections, Penrose, M. & J. B. McHugh, 892 North Markoe street, Philadelphia, \$12,149.15. Fence; Northeast Sewage Treatment Works, George F. Dobbins, 1020 South Forty-seventh street, Philadelphia, \$27,146.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Factory (alts.), Southwest Corner Third and Westmoreland streets, \$25,000. Architect, Gabriel B. Roth, 1628 Chestnut street, Philadelphia. Owners, Franklin Worsted Mills, on premises. General alterations. Contract awarded to David Lutz & Co., Twenty-third and Chestnut streets.

Factory, Southwest Corner Fifty-fifth and Sansom streets, Philadelphia. Architect, Clarence Wunder, 1520 Locust street, Philadelphia. Owners, Security Bank Note Co., 223 Chestnut street, Philadelphia. Brick, reinforced concrete, cut stone, 3 stories and basement, 83x136 feet (plumbing, heating, electric, elevators, dumb waiters reserved), Johns Mansville built-up roof, cement floors, hollow tile, shoring, dampproofing, architectural terra cotta, ornamental iron work, floor hardener, bond, fire and kalamein doors, rolled steel and hollow metal sash, tile work, rolled steel doors, vault doors, meta toilet partitions. Contract awarded Fred A. Havens Co., 845 North Nineteenth street, Philadelphia.

Residence (alts. and add.), 1807 Delancey street, Philadelphia. Architect, E. Nelson Edwards, 1012 Walnut street, Philadelphia. Own-

er, Thomas Raeburn White, West End Trust Building, Philadelphia. Brick, cut stone, steel, 4 stories and basement, 20x22 feet (plumbing, heating and electric, tile work reserved), tin roof, rubber tile and oak floors, painting and glazing, waterproofing, metal lath, marble work, rolled steel sash, sheet metal skylights, iron doors, bond, ornamental work, treadlite tile, leaded glass, dumb waiters. Contract awarded F. E. Wallace, 337 South Camac street, Philadelphia.

Building (alts.), New Front, Northwest Corner Fifteenth and Chestnut streets, Philadelphia. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, A. M. Greenfield, Fifteenth and Chestnut streets, Philadelphia. Lessee, Southwark National Bank, 610 South Second street, Philadelphia. Granite, cement paving, carpentry and mill work, stair work, iron work, plastering, structural steel, painting and glazing, tile work, mortar partitions, hardware, bronze work, elevator doors, Stedman naturalized rubber floors, metal lath. Contract awarded Murphy-Quigley Co., 1524 Sansom street, Philadelphia.

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Residence, Robbins street, East of Bustleton avenue, Philadelphia, \$18,000. Architect, C. J. Mitchell, 15 South Twenty-first street, Philadelphia. Owner, S. G. Caster, 4708 Hawthorne street, Philadelphia. Stone, 2 stories, 36x36 feet, 46x46 feet, hot water heat, electric light, hardwood floors, slag and tile roof, tile work. Contract awarded V. M. Merchandante, Ridley Park, Pa.

Printing Shop, Kinsey and Josephine streets, Philadelphia, \$15,000. Architect, Bender Atkinson, 2723 South Seventy-first street, Philadelphia. Owners, Williams Brothers, on premises. Brick, steel, 1 story, 50x100 feet, slag roof, pine and cement floors, steam heat, electric light, rolled steel sash, ornamental iron work. Contract awarded Wintz Brothers, 1618 Sellers street, Philadelphia.

Service Station and Residence, Shackamaxon and Girard, Philadelphia, \$4,000. Architect, I. J. Spier, 1304 North Second street, Philadelphia. Owner, J. H. Adelman, Northeast Corner Germantown and Girard avenues, Philadelphia. Brick, stucco, 2 stories, 16x50 feet, slate and slag roof, cement and concrete work, tile, composition, hardwood and pine floors, stone work, plastering, mill work, plate glass, demolition, metal bulks and iron work. Contract awarded N. Croco, 1304 North Second street, Philadelphia.

New Garage and Porch, 3105 Midvale avenue, Philadelphia. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, L. Wilson, 3105 Midvale avenue, Philadelphia. Brick, 1½ stories, 22x23 feet, asbestos shingle roof, cement floors. Contract awarded F. Elvidge & Son, 5522 Germantown avenue, Philadelphia.

Contract No. 110, Subway, Filbert to Stiles street, Philadelphia, \$16,863,436.76. Architect, private plans. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Water mains, underpinning, repaving, shoring, 7,184 feet bulking, heading (permanent repaving reserved). Contract awarded Keystone State Const. Co., 210 South Thirteenth street, Philadelphia.

Swimming Pool, Ridge and Roxborough avenues, Philadelphia. Architect, A. J. Sauer Co., Denckla Building, Philadelphia. Owners, Department of Public Welfare, Bureau of Recreation, 595 City Hall. Concrete work (plumbing, electric work reserved). Contract awarded D. Lutz Co., Twenty-third and Chestnut streets, Philadelphia, \$33,700. Plumbing, F. Wackenhut, 2416 Frankford avenue, Philadelphia, \$2,875. Electric, E. V. Goldhahn, 4335 Chestnut street, Philadelphia, \$1,843.

Chapter House, Thirty-seventh and Locust streets, Philadelphia. Architect, Robert Rhodes McGoodwin, 1600 Walnut street, Philadelphia. Owners, Phi Delta Theta Fraternity, B. H. Ludlow, on premises. Brick, cut stone, limestone, 4 stories and basement, 85x45 feet,

slag roof, green slate roof, oak floors, plumbing, dampproofing, ornamental iron work, bond, kalamein doors, metal lath, tile work, vapor heat, electric light, flagstone, dumb waiters, wrought iron pipe, oil burning system. Contract awarded H. E. Baton, 1713 Sansom street, Philadelphia.

Alterations, Fireproof Vaults, Twelfth and Thompson streets, Philadelphia. Engineer, Charles A. Blatchley, Drexel Building, Philadelphia. Owners, Schutte & Koehring Co., on premises. Steel and iron work, reinforced concrete work, tin lined fire doors, painting. Contract awarded H. E. Baton, 1713 Sansom street, Philadelphia.

Warehouse (add.), 86 Laurel street, Philadelphia. Architect, private plans. Owners, Omara Brothers, on premises. Brick and steel, 3 stories and basement, 60x175 feet, slag roof, cement and pine floors, steam heat, electric light, rolled steel sash, ornamental iron work. Contract awarded L. Rosengarten, 4738 Market street, Philadelphia.

Mill (add.), Delaware avenue and Tasker streets, Philadelphia. Owners, Phil-Fibre Box Board Mills, Inc., Delaware and Tasker avenues. Architect, private plans. Brick, steel, 1 story, 50x60 feet, gypsum slag roof, cement floors, steam heat, electric light, rolled steel sash, ornamental iron work. Contract awarded L. Rosengarten, 4738 Market street, Philadelphia.

Residences (12) (alts.), 8612-24 Ardleigh street, Philadelphia, \$50,000. Architect, Robert Rhodes McGoodwin, 1600 Walnut street, Philadelphia. Owner, Mrs. K. J. Wharton, 8623 Germantown avenue, Philadelphia. General alterations, carpentry, mill work, plastering, tile work, hot water heat, electric light. Contract awarded to Bowman & Ralston, 8127 Germantown avenue.

Garage, 926-30 Winter street, Philadelphia, \$28,000. Architect, Charles H. Ingle, 3025 Poplar street, Philadelphia. Owners, Philadelphia Toilet & Laundry Co., 1021 Vine street, Philadelphia. Brick, 2 stories, 52x100 feet, slag roof, cement and pine floors. Contract awarded to Carr & Courtney, 3025 Poplar street, Philadelphia.

Church, Twenty-first and Sixty-fifth avenues, Philadelphia. Architect, Robeson Lea Perot, 137 Harvey street, Philadelphia. Owners, St. Luke's Mission Chapel, care of architect. Brick, stone, 1 story, 36x88 feet, tile roof, mill work, plastering, stucco work. Contract awarded W. O. Springer, 2004 Naudain street, Philadelphia.

Store (alts.), 1248 North Eighteenth street, Philadelphia. Architect, private plans. Owner, Anton Warga, on premises. Mill work, cement work, plastering, metal ceilings and cornices, plate and opal glass, flush bulks, ornamental iron work, steel. Contract awarded J. Maurer & Co., 1304 North Second street, Philadelphia.

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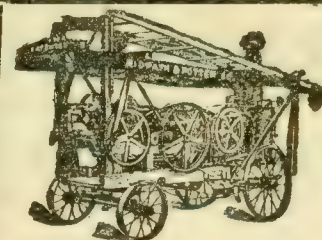
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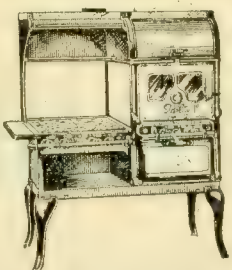
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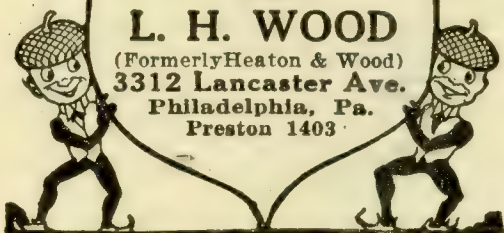
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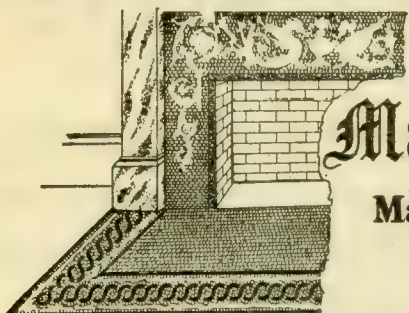
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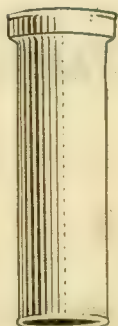
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Residences (2), Lawnton and Oak Lane avenue, Philadelphia. Architects, Heacock & Horkanson, 1211 Chestnut street, Philadelphia. Owner, Arthur I. Fink, Land Title Building, Philadelphia. Concrete block, stucco, 2 stories, 17x65 feet each, tile and slag roof, hardwood floors, hot water heat, electric light, tile. Contract awarded C. T. Clark, Germantown and Sedgley avenues, Philadelphia.

Residence (alts. and add.), 4911 Catherine street, Philadelphia. Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owner, Dr. William L. Sacrey, on premises. Concrete work, brick work, steel work, sheet metal work, slag roof, carpentry and mill work, plastering, painting and glazing, hardware (plumbing, heating, electric reserved). Contract awarded A. V. Gilchrist, Drexel Building, Philadelphia.

Manufacturing Building, Fifty-third and Meeting House lane, Philadelphia, \$32,000. Architect, private plans. Owners, Horn Surgical Co., 1701 Vine street, Philadelphia. Brick, 1 story and basement, 66x103x77 feet, irregular, slag roof, pine floors, steam heat, electric light, rolled steel sash. Contract awarded F. A. Havens Co., 845 North Nineteenth street, Philadelphia.

Residence, Chestnut Hill, Pa., \$29,000. Architect, Robert Rodes McGoodwin, 1600 Walnut street, Philadelphia. Owner, Dr. George Woodward, Mt. Airy, Pa. Stone, 2½ stories, 49x27 feet, variegated slate roof, oak and pine floors, plumbing, hot water heat, electric light, tile work, ornamental iron work, wrought iron pipe. Contract awarded John E. Walt, 204 East Willow Grove avenue, Philadelphia.

Plant, N and Torresdale avenue, Philadelphia. Owners, John Zimmerman & Son, Twenty-second and Lehigh avenue, Philadelphia. Architect, private plans. Reinforced concrete, brick, steam heat, electric light, slag roof, cement floors, rolled steel sash, mill building, 4 stories, 62x175 feet, dye house, 1 story, 70x80 feet, power house, 1 story, 30x40 feet. Contract awarded William Steele & Son, 219 North Broad street, Philadelphia.

Mill Building, Levick and Keystone streets, Philadelphia. Architect, private plans. Owners, Schletter & Cander, care of builders. Reinforced concrete, 3 stories, 92x175 feet, 1 story power house, 30x30 feet, slag roof, cement floors, steam heat, electric light. Contract awarded William Steele & Sons, 219 North Broad street, Philadelphia.

Fermenting and Still House, Delaware and Tasker streets, Philadelphia. Architect, private plans. Owners, David Berg Alcohol Co., on premises. Brick, steel, 5 stories, 62x120 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash. Contract awarded William Steele & Son, 219 North Broad street, Philadelphia.

Hosiery Mill, A and Clearfield streets, Philadelphia. Architect, private plans. Owners, H. C. Aberle & Co., on premises. Reinforced concrete, steel, 5 stories, 90x195 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash. Contract awarded William Steele & Sons, 219 North Broad street, Philadelphia.

Garage, Southeast Corner York and Memphis streets, Philadelphia, \$20,000. Architect, private plans. Owners, Local Development Co., Southeast Corner Twenty-second and Walnut streets. Brick, 1 story, 72x129 feet, slag roof, cement floors, electric light, steam heat, steel sash. Contract awarded to M. S. Kirschner, 4930 Brown street, Philadelphia.

Church (add.), South side Cheltenham avenue, East of Magnolia avenue, \$16,000. Owners, Congregation of Mission, care of builder. Stone, 2 stories add., 22x26 feet, slate roof, pine floors, electric light, steam heat. Contract awarded to D. W. O'Dea, 420 Duncan-non avenue, Philadelphia.

Residence, Southeast Corner Roosevelt Boulevard and Bridge street, \$8,400. Architect, private plans. Owner, E. M. Collisson, Atlantic City, N. J. Brick, 2 stories, 17x40 feet, hot water heating, electric lighting, hardwood and pine floors, tile work. Contract awarded to C. Day, Holmesburg, Philadelphia.

Residence, 8129½ Germantown avenue, Philadelphia, \$6,500. Architect, private plans. Owner, H. White, 8131 Germantown avenue, Philadelphia. Brick, 2 stories, 15x60 feet, 12x7 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded to Bowman & Ralston, 8127 Germantown avenue.

Store and Residence (alts.), 143-45 North Fifteenth street, Philadelphia, \$6,000. Architect, private plans. Owner, Milton Stern, 685 North Broad street, Philadelphia. General alterations. Contract awarded to Paul Brosz, 2511 West Huntingdon street, Philadelphia.

Residences (3), 3543-45-47 Queen street, Philadelphia, \$19,000. Architect, private plans. Owner, Elizabeth Lally, 3533 Queen street, Philadelphia. Brick, 2 stories, 16x32 feet. Contract awarded J. Riley & Son, Mt. Airy, Philadelphia.

Store and Residence, 5822 North Broad street, Philadelphia, \$9,500. Architect, private plans. Owner, James McStay, on premises. Brick, 2 stories add., 16x10 feet, slag roof, hardwood and pine floors. Contract awarded to J. Riley & Son, Forest avenue, Mt. Airy, Philadelphia.

Garage (alts. and add.), 1002-12 Watkins street, Philadelphia, \$8,755. Architect, private plans. Owner, Joseph D'Angels, 1003 Watkins street, Philadelphia. Brick, 2 stories add., 16x100 feet, general alterations. Contract awarded to N. Altarelli, 726 Fulton street, Philadelphia.

Garages (2), East side Coral street, North of Firth, Philadelphia, \$5,700 total. Architect, private plans. Owner, Harry Collins, 2525 Coral street, Philadelphia. Brick, 1 story, 28x50 feet and 34x50 feet, slag roof, cement floors. Contract awarded to A. Earl Barnes & Co., 2044 East Clementine street.

Apartment (add.), 3217 Diamond street, Philadelphia, \$15,000. Architect, private plans. Owner, Regina Kohn, 5749 North Twelfth street, Philadelphia. Brick, 4 stories add., 20x22 feet, slag roof, hardwood and pine floors, heating extension, electric lighting. Contract awarded to D. Warshavsky, 812 North Marshall street, Philadelphia.

Hall and Store, Northwest Corner Eleventh and Allegheny avenue, Philadelphia, \$40,000. Architect, F. E. Alessandrim, 1609 South Seventeenth street, Philadelphia. Owner, Thomas C. Weber, 4246 North Broad street, Philadelphia. Brick, 2 stories, 136x67 feet, slag roof,

pine floors, hot water heat, electric light. Contract awarded to C. T. Clark, Germantown and Sedgley avenues.

Residence, Northwest Corner Thirteenth and Brown streets, Philadelphia, \$10,700. Architect, private plans. Owner, A. L. Kessler, 927 Poplar street, Philadelphia. Brick, 3 stories, 18x43 feet, slag roof, hardwood and pine floors, hot water heating, electric lighting. Contract awarded to E. Mestichelli, 2320 Moore street, Philadelphia.

Garage, Southwest Corner Marvine and Bainbridge streets, Philadelphia, \$10,000. Architect, private plans. Owners, Dinible & Di Giacom, 719 Fitzwater street, Philadelphia. General alterations. Contract awarded to Thomas E. Brassi, 778 South Seventh street, Philadelphia.

Residence and Garage, Newtown avenue and Levick street, Philadelphia, \$19,500. Architect, private plans. Owner, A. Standte, 308 North Fishers avenue, Philadelphia. Stone, 2 stories, 30x53 feet 10 inches, garage, 1 story, 19x21 feet, slate roof, hardwood, pine and cement floors, hot water heating, electric lighting, tile work. Contract awarded to Louis D. High, 530 Robbins avenue, Philadelphia.

Store (alts. and add.), Southwest Corner Twenty-ninth and Stiles streets, Philadelphia, \$10,000. Architect, private plans. Owner, Fred Zimmerman, Northwest Corner Twenty-ninth and Flora streets, Philadelphia. Brick, 3 stories add., 17x6 feet, general alterations. Contract awarded to P. Haibach Cont. Co., 1261 North Twenty-sixth street.

Store and Office, 1623 Sansom street, Philadelphia, \$8,000. Architect, private plans. Owners, William J. Doyle, 1519 Sansom street, Philadelphia. Brick, 2 stories, 15x65 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Doyle & Co., 1519 Sansom street, Philadelphia.

Residence, 4537 Edgemont street, Philadelphia, \$5,000. Architect, private plans. Owner, B. Mrozinski, on premises. Brick, 2 stories, 12x11 feet, 16x42 feet, slag roof, pine floors. Contract awarded to C. Lakowski, 4655 Torresdale avenue, Philadelphia.

Storage Building (add.), 500 South Twenty-seventh street, Philadelphia, \$4,000. Architect, private plans. Owners, Standard Ice Mfg. Co., on premises. Mansard, third story add., 22x45 feet, electric light. Contract awarded to E. R. Hall, 34 South Seventeenth street, Philadelphia.

Garage, North side Plum street, East of Ditman street, Philadelphia, \$3,500. Architect, private plans. Owner, C. H. Underwood, 4709 Ditman street, Philadelphia. Brick, 1 story, 100x16 feet, slag roof, cement floors, electric work. Contract awarded to B. Ceruti, 1835 Orthodox street, Philadelphia.

Residence (add.), 429 North Simpson street, Philadelphia, \$5,000. Architect, private plans. Owner, Luigi Di Fonso, on premises. Brick, 2 stories, 15x20 feet, third story, 15x47 feet, slag roof, pine floors, electric light. Contract awarded to J. Spaltro, 6205 Girard avenue, Philadelphia.

Garage and Shop, 1145 Germantown avenue, Philadelphia, \$5,000. Architect, private plans. Owner, Mr. Melnick, 624 Fairmount avenue, Philadelphia. Brick, 2 stories, 20x74 feet, slag roof, cement and pine floors. Contract awarded to Fred Williams, 5815 Arch street, Philadelphia.

Residence, 2636 Emerald street, Philadelphia, \$3,300. Architect, private plans. Owner, Louis Ostroff, on premises. General alterations. Contract awarded to Acker Bros., 3945 Arizona street, Philadelphia.

Factory (add.), Southwest Corner Howard and Jefferson streets, \$3,000. Architect, private plans. Owners, Arrott Steam Power Co., on premises. Brick, 5 stories add., 7x10 feet,

slag roof, plumbing, electric work. Contract awarded to E. L. Cuthbertson, 334 Roxborough avenue.

Storage Building, Northwest Corner Bristol and Orianna streets, \$2,500. Architect, private plans. Owners, Lawrence & McFadden Co., 1400 Frankford avenue Philadelphia, Brick, 2 stories, 20x28 feet, slag roof, pine floors. Contract awarded to J. Y. Loux, Fifteenth and Hunting Park avenue.

Factory (repairs), 1513-15 Germantown avenue, Philadelphia, \$3,000. Architect, private plans. Owner, Joseph G. Leidenger, 1936 West Erie avenue, Philadelphia. General fire

repairs. Contract awarded to E. C. Durell, 1713 North Twenty-fourth street, Philadelphia.

Tank Tower, Southeast Corner Broad and Butler streets, Philadelphia, \$2,400. Owners, General Baking Co., 342 Madison avenue, New York. Steel. Contract awarded to S. G. Matthews & Co., 2016 West Lippincott street.

Building (alts. and add.), 4131 Ridge avenue, Philadelphia, \$2,000. Architect, private plans. Owner, M. Polish, on premises. Brick, 1 story add., 11x12 feet, general alterations. Contract awarded to J. Sosnow, 1912 North Patton street, Philadelphia.

PENNSYLVANIA Construction News

Church, Seventeenth and Market streets, Harrisburg, Pa. Architect, J. A. Dempwolf, Center Square, York, Pa. Owners, Memorial Lutheran Church, Dr. Lewis Menges, Harrisburg, Pa. Granite, steel, 1 story and basement, 82x122 feet, slate roof, hollow tile, maple floors and tile floors, steam heat, electric light, metal lath, ornamental iron work. Architect taking bids.

Show Room, Reading, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owners, Corbit Brothers, Reading, Pa. Brick, concrete, cut stone, 2 stories, 80x60 feet, composition roof, tile and rubberoid floors, steam heat, electric light. Architect taking revised bids.

Hospital (remodeling and add.), Columbia, Pa. Architect, Amos W. Barnes, Perry Building, Philadelphia. Associate architect, Granville E. Paules, Columbia, Pa. Owners, Board of Directors, Columbia Hospital, Columbia, Pa. General remodeling of present building, new addition, brick, concrete, steel, 3 stories and basement, 41x60 feet. Owners taking bids due May 4th.

Parochial School, Chester, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, St. Hedwig's Polish Roman Catholic Church, Rev. J. L. Ploszaj, 312 Hayes street, Chester, Pa. Brick, 3 stories, will contain 10 class rooms and auditorium, steam heat, electric light, plumbing. Plans in progress. Architect selected.

Senior High School, York, Pa. Architect, J. Hamme, City Bank Building, York, Pa. Owners, York School District, D. M. Crides, secretary, York, Pa. Fireproof, 3 stories, 236x245 feet, composition roof, hardwood and composition floors, hollow tile, safety treads, roof ventilators, waterproofing, dampproofing, iron stairs, ornamental iron work, bond, fire doors, steel skylights and sash, tile, marble and terrazzo, metal lath (heating, plumbing and electric reserved). Owners will be ready for bids May 1st, due June 1st.

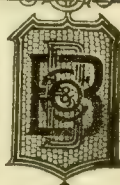
Residence, York, Pa. Architects, Gemmill & Billmeyer, Rosenmiller Building, York, Pa. Owner, Jack Silverman, York, Pa. Brick, 2½ stories, 60x50 feet, slate roof, hardwood floors, steam heat, electric light, tile work. Plans in progress.

Residence, York, Pa. Architects, Gemmill & Billmeyer, Rosenmiller Building, York, Pa. Owner, John Gerber, York, Pa. Brick, 2½ stories, 38x42 feet, slate roof, hardwood floors, steam heat, electric light, tile work. Plans in progress.

Church, Sunday School and Parsonage, York, Pa. Architects, Whitman & Royer, 47 East Market street, York, Pa. Owners, Second United Brethren Church, Rev. A. M. Horn, York, Pa. Foxcroft stone, 1 story and basement, 180x82 feet, 2 stories, 36x48 feet, slate roof, pine and hardwood floors, waterproofing and dampproofing, leaded glass, tile



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work, metal lath, vapor heat, electric light (organ reserved). Plans in progress.

Store and Apartment, Red Lion, Pa. Architects, Gemmill & Billmeyer, Rosenmiller Building, York, Pa. Owner, Mr. Howard Sheelen, Red Lion, Pa. Brick, steel, 3 stories, 38x96 feet, slag roof, hardwood floors, electric light, metal lath, kalamein doors. Plans in progress. Will take bids in two weeks.

Residence, York, Pa. Architects, Whitman & Royer, 47 East Market street, York, Pa. Owner, D. W. Gerber, York, Pa. Foxcroft stone, 2½ stories, 50x34 feet, 13x21 feet, tile roof, hardwood and tile floors, vapor heat, electric light, tile work. Owner will build.

Residence, York, Pa. Architects, Gemmill & Billmeyer, Rosenmiller Building, York, Pa. Owner, Pries Hess, York, Pa. Brick, 2½ stories, 38x42 feet, slate roof, hardwood floors, steam heat, electric light, tile work. Plans in progress. Owner will build.

Sunday School, New Freedom, Pa. Architect, J. Hamme, City Bank Building, York, Pa. Owners, St. John's Lutheran Church, Rev. M. E. Smith, New Freedom, Pa. Brick, 1 story, 135x75 feet, slate roof, pine floors, steam heat, electric light. Owners will build.

High School, Bethlehem, Pa. Architect, Geo. I. Lovatt, 223 S. Sydenham street, Philadelphia. Owners, Holy Infancy R. C. Church, Rev. C. E. Bowles, on premises. Brick, 1 and 2 stories. Plans in progress, will be ready for bids in about 6 weeks.

Residence (alts. and add.), Bryn Mawr, Pa. Architect, R. Brognard Okie, 308 S. Smedley street, Philadelphia. Owner, Dr. Geo. W. Norris, on premises. Stone, 2 stories. Plans in progress.

Auditorium, Lancaster, Pa., \$200,000. Architects, Day & Clauder, 1416 Chestnut street,

Philadelphia. Owners, Franklin and Marshall College, Lancaster, Pa. Brick, stone, steel, 1 story, seating capacity, 900. Contract will be awarded to H. Wohlsen, Lancaster, Pa. Plans in progress.

Station, Lansford, Pa. Architect, C. M. Lovelace, Bethlehem Trust Building, Bethlehem. Owners, Lehigh and New England, R. C. L. W. Gilerist, Anthracite Building, Bethlehem, Pa., Brick, steel, 2 stories, 40x60 feet. Plans in progress.

Church and Sunday School, Easton, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owners, Evangelical Church, Rev. E. E. Smith, Easton, Pa. Too early for details. (Size 40x120 feet).

Swimming Pool (add.), Bradford, Pa., \$125,000. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Y. M. C. A. Ralph George, Bradford, Pa. Preliminary plans in progress.

Nurses' Home, West Chester, Pa. Architects, York & Sawyer, 100 East 42nd street, New York City. Owners, Chester County Hospital, Miss Hodgkins, superintendant, West Chester. Brick, 3 stories and base, which will contain a complete dietetic kitchen outfit. Plans in progress.

Residences (2), Wynnewood, Pa. Architect, Richard A. Kerns, Fuller Building, Philadelphia. Owners, Frank Zell and Norman MacBeam, care of architect. Brick, stone, stucco, 2½ stories, 70x40 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Church, Auditorium and School, Frackville, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, Lithuanian Church, Frackville, Pa. Brick, steel, 2 stories, 150x50 feet, 45x55 feet, pine floors. Too early for details.

Church and Sunday School, South Duke street, Lancaster, Pa. Architects, Ritcher & Eiler, 147 North 5th street, Reading, Pa. Owners, Faith Reformed Church, Rev. D. G. Glass, Lancaster, Pa. Stone. Preliminary plans in progress.

Residence, Reading, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owner, William McIlvain, Colonial Trust Building, Reading, Pa. Brick, 2½ stories, 36x72 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Residence, Reading, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owner, H. L. Hoff, Gordon street, near Buttonwood, Reading, Pa. Brick, 2½ stories, 40x70 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Office and Residence, Reading, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owner, C. Evans, care of architect. Brick, cast stone, 1 and 2 stories, 40x70 feet, slate roof, oak floors, hot water heat, electric light. Plans in progress.

Community Center, Hyde Park, Pa. Architect, C. J. Young, 226 North 6th street, Reading, Pa. Owners, Goodwill Fire Co. Beneficial Association, No. 3, Hyde Park, Pa. Brick, 2 stories, 140x70 feet, built-up roof, concrete and hardwood floors, steam heat, electric light. Plans in progress.

High School, Reading, Pa. Architects, Ritcher & Eiler, 147 North 5th street, Reading, Pa. Owners, Reading School District, 8th and Washington streets, Reading, Pa. Architects will be ready for bids next week.

Science Hall, Oxford, Chester County, Pa. Architects, Guilbert & Betelle, 665 Broad street, Newark, N. J. Owners, Lincoln University, care of Delaware School Auxiliary Association, Mr. Taylor, DuPont Building, Wilmington, Del. Brick, steel, stone, trim, 3 stories, 112x35 feet, slag roof, cement

floors, roof ventilators, tile, kalamein and hollow metal doors, iron stairs. Owners taking sub-bids.

Residences (10), 3rd and Seneca streets, Harrisburg, Pa. Architect, private plans. Owner, H. Levin, 2405 North 2nd street, Harrisburg, Pa. Brick, 3 stories, 28x45 feet, slag roof, hardwood floors, steam heat, electric light, tile work. Owner will build.

Residences (15), Spring avenue and Asbourne road, Pa. Architect, private plans. Owner, E. Allen Reeves, Abington, Pa. Stone, 2½ stories, 16x50 feet, variegated slate roof, oak and pine floors hot water heat, electric light, tile work. Owner will build.

Bank, Media, Pa. Architects, Morgan French Co., 19 West 44th street, New York City. Owners, First National Bank, Media, Pa. 1 story. Plans in progress, ready for bids in about 10 days.

Bank, Kingston, Pa. Architects, Morgan French Co., 19 West 44th street, New York City. Owners, Kingston National Bank, Kingston, Pa. 1 story. Plans in progress, ready in about 10 days.

Residence and Garage, Llanerch, Pa. Architect, private plans. Owners, Turnbull & Cornell, 15 South 21st street, Philadelphia. Stone cinder block, 2½ stories, 34x55 feet, garage 1 story, 20x20 feet, slate roof, hardwood floors, cement floors, hot water heat, electric light, tile work. Owners taking sub-bids.

Store and Apartment, Chester, Pa. Architect, Charles J. Mitchell, 15 South 21st street, Philadelphia. Owner, name withheld. Brick, 4 stories, 58x21 feet, irregular, hot water heat, electric light, slag roof, pine floors, plate glass, metal bulks, ornamental iron work. Plans about completed. Builder, J. Mercadante, Chester, will be ready for bids in a week, (sub-bids).

Dormitory and Boiler House, Womelsdorf, Pa. Architect, Miles B. Dechant, 632 Washington St., Reading, Pa. Owners, Bethany Orphans' Home, Womelsdorf, Pa. Stone, steel, 2 stories and base, 72x42 feet, slate roof, composition and cement and maple floors, roof ventilators, (plumbing, heating and electric work reserved). Revised plans in progress. Will take revised bids in ten days.

Convent, Mahanoy City, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, Rev. P. C. Chesnas, Mahanoy City, Pa. Frame, brick, 3 stories and base, 26x62 feet, slate roof, pine floors, hot water heat, electric light. Architect will be ready for bids next week.

Bank, Reading, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owners, Keystone National Bank, J. Barbey, president, 622 Penn street, Reading, Pa. Steel, marble front, 1 story, 30x150 feet, composition roof marble floors, hollow tile, roof ventilators, metal window guards, bronze, ornamental iron, bond, steel, skylights, steel sash, marble work, metal lath, steam heat, electric light. Architect ready for bids.

Community Center, Birdsboro, Pa. Architect, C. J. Young, 226 North 6th street, Reading, Pa. Owners, Fraternal Order of Orioles, No. 116, Birdsboro, Pa. Brick, structural steel, 1 story and base, 60x125 feet, built-up roof, concrete and hardwood floors, waterproofing, steel stairs, metal lath, steam heat, electric light. Architect taking bids due April 30th.

Bank Building, Northwest corner Market and Newberry Streets, York, Pa. Architect, W. L. Stoddart, 50 E. 41st Street, New York City. Owner, Western National Bank, Geo. Livingstone, York, Pa. Reinforced concrete, steel, limestone, cut stone, brick, 1 story and mezzanine and basement, 50x115 feet, slag roof, rolled steel sash and skylights, bond,

TRIDENT

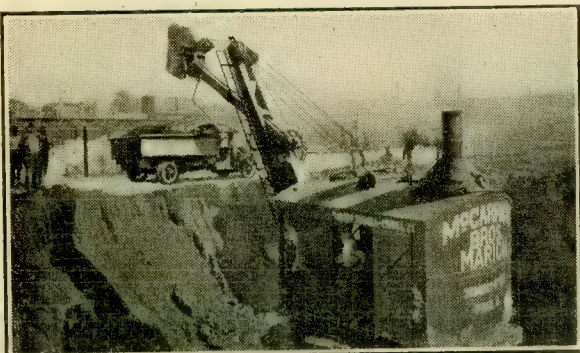
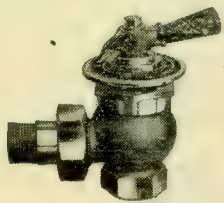
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kalamein doors, ornamental iron work, shoring, water and dampproofing, art. granite. Owners taking bids due May 12th before noon.

Warehouse, E. Petersburg, Pa. Architect, E. Allen Wilson, 1208 Chestnut Street, Philadelphia. Owner, Bayuk Bros., 3rd and Spruce Street, Philadelphia. Brick, slow burning, 3 torie and basement, 60x81 feet, (electric, heating and elevators, reserved), slag roof, pine and maple floors, roof ventilators, artesian sash. Architect taking bids due May 4th.

School, Reading, Pa., \$100,000. Architects, Ritcher & Eiler, 147 N. 5th Street, Reading, Pa. Owners, St. Margaret's R. C. Church, Rev. P. W. J. McShane Reading, Pa. Granite, steel, 2 stories, 70x168 feet, built-up roof, maple floors, safety treads, roof ventilators, (heating, plumbing and electric, reserved). Architects taking bids due May 7th.

Bank Building, Residence and Garage, Lewistown, Pa. Architect, Morgan French & Co., 19 W. 44th St., New York City. Owner, Russell National Bank, Lewistown, Pa. Brick, cast stone, steel, 1 story and mezzanine and basement, 1x4 feet, 2½ stories, 66x31 feet, Vermont blue slate, Johns Manville slate asphalt roof, cement, oak and pine floors, painting and glazing, plumbing, roof ventilators, shoring, waterproofing, ornamental iron work, floor hardener, kalamein and hollow metal doors, hollow metal sash, tile and marble work, metal lath, steam heat, cast granite models, wrought iron pipe, nickel plated brass pipe, travertine work. Architect taking bids due May 5th.

Hospital, Highland and Charles Streets, Hanover, Pa. Architect, The Ballinger Co., 12th and Chestnut Streets, Philadelphia. Owner, Hanover General Hospital, Hanover, Pa. Brick, cut stone, cast concrete stone, steel, 3 stories and basement, 137x54 feet, slag roof, composition, rubber tile and cement floors, (plumbing, heating, electric, reserved), metal lath, tile and marble work, rolled steel sash, copper skylights, tinclad doors, hollow metal doors, bond, iron stairs, ornamental iron work, safety treads, roof ventilators, metal weatherstrips, waterproofing, ornamental terra cotta, bronze work, medicine cabinets, ornamental plastering, painting and glazing, X-Ray glass caulking. Architect taking bids due May 5th at 11.30 A. M. Architect taking bids on plumbing due May 5th.

Warehouse, Mifflin Avenue, Scranton, Pa. Architect, Edward Langley, Scranton, Pa. Owners, C. B. Scott Co., 119 Franklin Ave., Scranton, Pa. Brick, 3 stories and basement, 75x92 feet. Architect taking bids.

Office Building and Freight House, Lebanon, Pa. Architect, S. T. Wagner, 12th and Market Street, Philadelphia. Owner, Philadelphia and Reading Railroads, 12th and Market streets, Philadelphia. Brick, steel, frame, 2 and 1 stories, 30x21 feet, wing, 30x85 feet, 30x243 feet, Rubberoid asbestos built up roof, cement floors, pine floors, plumbing, wrought iron pipe, painting and glazing, terra cotta, coping, ornamental iron work, bond, re doors, rolled steel sash, hollow metal skylights, metal lath, electric light, hot water heat, metal partitions, vault doors, rolled steel shutters, metal lockers, dumbwaiters. Owner taking bids due May 5th.

Stores (4) and Apartments, Folcroft, Del. Co., Pa. Architect, Folsom Stanton and Graham, 10 S. 18th Street, Philadelphia. Owner, Dr. J. W. Harrigan, on premises. Brick, 2 stories, 50x84 feet, slag roof, oak and pine floors, hot water heat, electric light, metal lath, ornamental iron work. Architect taking bids due April 30th.

Residence and Garage, Wallingford, Pa. Architects, Electus D. Litchfield and Pliny

Rogers, 477 5th Avenue, New York City. Owner, Mr. and Mrs. John L. Stainton, care of Architects. Stone, frame, 2½ and 1½ stories, 47x31 feet, wing 24x18 feet, garage, 23x23 feet, Washington Bed curled slate roof, oak and pine and cement floors, plumbing, dampproofing, bond, tile work, metal lath, electric light, hot water heat, Art. stone, cast stone, flagstone, steel casement sash, wrought iron pipe. Architect taking bids due May 6th at 5 P. M.

Open Air Dormitory (Capacity 104 beds), near Phoenixville, Pa. Architect, Hoffman Henon, Finance Building, Philadelphia. Owner, Rev. J. J. Wilson, care of St. Michael's R. C. Church, 2nd and Jefferson Street, Philadelphia. 1 story, 96x31 feet, tin roof, pine floors. Architects taking bids due as soon as possible.

Residence (alts.), Wynnewood, Pa. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, L. H. Kinnard, Wynnewood, Pa. Carpentry and millwork, plastering, painting and glazing, electric light, tile work, stair work, shingle work, hardware metal weatherstrips. Architect taking bids (revised) due as soon as possible.

Residence and Garage, No. 65, Merion, Pa. Architect, Frank Seeburger, 1524 Chestnut Street, Philadelphia. Owner, name withheld. Stone, brick, stucco, 2½ and 1½ stories, 69x26 feet, garage, 18x20 feet, shingle roof, oak, pine and cement floors, painting and glazing, tile work. Architect taking bids due as soon as possible.

Residence, Cynwyd, Pa. Architect, R. R. Neely, 2301 Spruce Street, Philadelphia. Owner, F. G. Leaf, 1819 N. 9th Street, Philadelphia. Concrete block, stucco, 2½ torie, 31x40 feet, 1 story garage, 10x18 feet, shingle roof, hardwood and cement floors, hot water heat, electric light, tile work, steel casements. Owner taking bids due as soon as possible.

School (add.), Fifth and Spring Streets, Reading, Pa. Architect, Miles B. Dechant, 632 Washington Street, Reading, Pa. Owners, Reading School Board, 8th and Washington Streets, Reading, Pa. Brick, steel, reinforced concrete, 2 stories and basement, 85x113 feet, concrete roof, concrete and composition floors, hollow tile, roof ventilators, (heating, plumbing, electric work, separate). Owners ready for bids due May 9th.

Office Building, Williamsport, Pa. Architect, Watson Engineer Co., 15 Park Row, New York City. Owner, Darling Valve and Mfg. Co., Williamsport, Pa. 2 stories, 142x43 feet. Curtis Grindrod Co., 10 S. 18th St., Bames Const. Co., 1828 Arch Street, Philadelphia, taking sub-bids due May 4th on the following items: Cement floors, monolithic

floor finish, reinforced steel, metal lath, metal domes, bond, safety treads.

Residence, Rydal, Pa. Architect, C. A. Ziegler, 1012 Walnut Street, Philadelphia. Owner, A. Neison, Abbott Building, Philadelphia. Stone 2½ stories. Architect taking bids due May 4th.

Swimming Pool, Bala, Pa. Architect, Zantzinger, Borie & Medary, Otis Building, Philadelphia. Owner, G. Brinton Roberts, Otis Building, Philadelphia. Grading filling carpentry, concrete, plumbing, drainage, bond, wrought iron pipe. Architect taking revised bids.

Garage, Bala, Pa. Architect, Frank Seeburger, 1524 Chestnut Street, Philadelphia. Owner, J. Charles Parry, on premises. Stone, ½ stories, 24x20 feet, (plumbing, reserved), electric light, shingle roof, cement floors, Architect taking bids due as soon as possible.

Publishing House (add.), Williamsport, Pa. Architect, Watson Engineer Co. 15 Park Row, New York City. Owner, The Williamsport Sun, Williamsport, Pa. Brick, 87x61 feet irregular. Architect taking bids due May 4th.

Road Work, Pennsylvania. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa. Low bidders on Road Work opened April 18th.

McKean County, R-236, A-3143, Ceres Township, 9587 feet. One course reinforced concrete. Winters & Yaple, Erie, Pa., \$77,596.19.

Susquehanna Co., R-174, Clifford Township, 11,167 feet. One course reinforced concrete. Lincoln Const. Co., Strafford, Pa., \$95,616.50.

Tioga County, R-103, A-3370, 3308, Deerfield Township, Osceola Township, 30,401 feet. Either bituminous ocure on concrete foundation or one course reinforced concrete. Van Auker & Robbins, Troy, Pa., \$205,820.15.

Mercer County, R-294, A-3355, French Creek, Mill Creek and Sandy Lake Townships, N. Lebanon & Sandy Lake Boroughs, Paul C. roeck, Milwaukee, Wis., \$363,238.06.

Wyoming County, R-232, 365, Falls, Tunkhannock & Overfield Townships, Winston & Co., Inc., Scranton, Pa., \$599,917.87.

Monroe County, R-164, Section 2, Hamilton & Stroudsburg Townships, Stroudsburg Borough, 41,872 feet. One course reinforced concrete. Mickell-Grahl Const. Co., Butler, Pa., \$426,423.89.

Fayette County, R-288, Section , Perry Township, 9587 feet. One course reinforced concrete. Edwards, Dunn Co., Greengburg, Pa., \$89,696.82.

Pike County, R-7, Section 2, Blooming Grove, Lackawaxen, Shohola, Dingman and Milford Townships, Milford Borough, 69,413 feet. Grading and drainage. W. A. Palmer, Inc., Bethlehem, Pa., \$270,874.75.

PENNSYLVANIA

Contracts Awarded

High and Grade School, Jarrettsville, Md. Architect, J. Hamme, City Bank Building, York, Pa. Owners, Harford County School Committee, M. C. Wright, Belair, Md. Brick, 2 stories, 58x105 feet, composition roof, safety treads, roof ventilators (heating, plumbing and electric reserved). Owners will build, care of B. Hutchinson Wilson, White Hall, Md., who is taking bids.

Residence, York, Pa. Architects, Whitman & Royer, 47 East Market street, York, Pa. Owner, Harry P. Pelling, York, Pa. Brick, 2½ stories, 26x36 feet, shingle roof, hardwood floors, electric light. Contract awarded to R. S. Woodruff, York, Pa.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Dauphin County, A-692, 2790, East Hanover Township, \$83,794.60. Contract awarded to Continental Const. Co., Baltimore, Md.

Residence (alts.), West Chester, Pa. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, J. H. Mackelduff, Commercial Trust Building, Philadelphia. Concrete block, stucco, 2 stories and basement, 20x15 feet, Johns Mansville and canvas roof, oak floors, plumbing, heating, additions, electric light, tile work. Contract awarded G. H. Fisher, East Downington, Pa.

Vaudeville Stage, York, Pa. Architect, Edward Leber, Hay Building, York, Pa. Owners, York Agricultural Association, York, Pa. Reinforced concrete, 1 story, 50x75 feet, canvas roof, concrete floors, electric light, rolled steel sash. Contract awarded to Paul R. Hostetter, York, Pa.

Grade Schools (2), East Honesdale and West Honesdale, Pa. Architects, E. H. Davis and George M. D. Lewis, Union Bank Building, Scranton, Pa. Owners, Honesdale School Board, A. A. Leine, Secretary, Honesdale, Pa. Brick, 2 stories, 8 rooms, slag roof, pine floors, safety treads, roof ventilators, waterproofing, metal lath, steel sash, skylights, iron stairs, ornamental iron work (heating, plumbing, electric work, ventilating, separate bids). Contract awarded to Edward B. Boyle, Lock Haven, Pa., \$64,987 each building. Heating and ventilating awarded to G. B. Carpenter Co., 508 S. Main street, Wilkes-Barre, Pa., \$12,117 each. Plumbing awarded to H. N. Gardner, 920 Greenridge street, Scranton Pa., \$7,000 each building. Electrical work awarded to Barnes & Armbruster, 912 Myrtle street, Scranton, Pa., \$1,920 each building.

High School, Mt. Joy, Pa. Architects, Folsom, Stanton & Graham, 10 S. Eighteenth street, Philadelphia. Owners, Board of Education, E. W. Lewcomer, Mt. Joy, Pa. Brick, cut stone, 2 stories and basement, 85x72 feet, slag roof, maple and cement floors, roof ventilators, waterproofing, bond, metal lath (plumbing, electric light, heating separate). Contract awarded to A. T. Snyder, Florin, Pa., \$52,631. Heating and ventilating, American Heating and Ventilating Co., 1505 Race street, \$8,475. Plumbing, J. Keesey, Lexington, Pa., \$4,600. Electric not awarded.

School, Hummelstown, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Hummelstown School District, W. M. Sharp, Secretary, Hummelstown, Pa. Semi-fireproof, 2 stories, 150x60 feet, composition roof, pine floors, roof ventilators, damp-proofing, iron stairs, fire doors (heating, plumbing and electric work separate bids). Contract awarded to M. L. Grossman, New Cumberland, Pa. Plumbing to Charles Keesey, Lebanon, Pa. Electric to John Brow, Wormleysburg, Pa. Heating not yet awarded.

Store and Apartment (alts. and add.), Lansford, Pa. Architect, Benj. Rush Stevens, 1827 Arch street, Philadelphia. Owner, Andrew Gavula, on premises. Bond, brickwork, bronze grills, caenstone, composition floors, carpentry and millwork, electric work, hardware, marble work, metal lath, iron work, painting, steel work, tile work, metal sash, asbestos built up roof, stucco work, rolled steel skylights. Contract awarded A. L. Graff, Tamaqua, Pa.

Residence, Haverford, Pa. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, J. Douglas Darby, Haverford, Pa. Cement block, brick, stucco, 2½ stories, 35x30 feet, wing 22x13 feet, variegated slate roof, oak and pine floors, hollow tile, plumbing, hot water heat, electric light, metal lath, tile work, ornamental iron work, steel casement sash, wrought iron pipe. Contract awarded W. N. Thompson, 1529 Filbert street, Philadelphia.

Lodge Building, Swarthmore, Pa. Architects, Karcher & Smith, 34 S. Seventeenth street, Philadelphia. Owners, Kappa Sigma Fraternity, Swarthmore College, Swarthmore, Pa. Stone, cut stone, steel, 2½ stories, 22x25 feet, win 17x18 feet, slate roof, oak and cement floors, vapor heat, electric light, bond, waterproofing, ornamental iron work, flagstone, bluestone, metal casements. Contract awarded McNeill Co., Schaff Building, Philadelphia.

School, Minersville, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading,

Pa. Owners, St. Francis' Lithuanian Parish, Rev. J. A. Karalois, Minersville, Pa. Brick, steel, 3 stories, 92x64 feet, slag roof, hardwood and cement floors, hollow tile, safety treads, roof ventilators, cast stone, iron stairs, bond, metal lath, steam heat, electric light. Contract awarded to Barnes Construction Co., 1828 Arch street, Philadelphia.

Temple, Third and Forster streets, Harrisburg, Pa., \$78,897.87. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, I. O. O. F., Harrisburg, Pa. Reinforced concrete, brick, stone, 5 stories, 37x130 feet, composition or slag roof, pine, composition and tile floors, hollow tile, elevators, safety treads, cut stone, ornamental iron work, concrete stairs, structural steel, tile work. Contract awarded to Meyers Construction Co., Mechanicsburg, Pa. Heating, Fisher & McClure, Harrisburg, Pa. Plumbing, Herre Bros., Harrisburg, Pa. Electric, Dauphin Electric Co., Harrisburg, Pa.

Residence and Garage, Elkins Park, Pa. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, J. Solis Cohen, Esq., care of architect. Stone, brick, stucco, steel, 2½ and 1½ stories, 61x22 feet. Garage 18x16 feet, shingle roof, oak, pine and cement floors, plumbing, electric light, metal lath, bond, ornamental iron work, wrought iron pipe. Contract awarded T. S. Fetter, 1829 Filbert street, Philadelphia.

Residence and Garage, Rose Lane, Haverford, Pa. Architect, C. A. Ziegler, 1309 Locust street, Philadelphia. Owner, Robert B. Greer, Land Title Building. Stone, 2½ stories, hot water heat, electric light, tile and marble work, shingle roof, hardwood floors. Contract awarded I. A. Dunkelberger, 71 E. Herman street, Philadelphia.

Building, Reading, Pa. Architect, S. T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Phila. & Reading R. R., Twelfth and Market streets, Philadelphia. Grading, partition of present engine storage yard, submerged type ash pits, crane runway foundations, two inspection pits, five water columns, pits, water supply and drainage, two wash and locker buildings, 1 story, 11x33 feet, 1 story, 8x24 feet, concrete, carpentry and millwork, structural steel, iron work, reinforced steel fire hydrants, cast iron water pipe, brickwork, asphalt floors, terra cotta coping, built up asbestos roof, wrought iron pipe, plumbing, steam heat, electric work (structural steel in ash pits, crane runway superstructure, crane and rail chairs on inspection pits reserved). Contract awarded Curtis Grindrod Co., 10 S. Eighteenth street, Philadelphia.

Stores and Apartments, Darby, Pa. Architects, Bunting & Shrigley, 603 Chestnut St., Philadelphia. Owner, Samuel Cohen, Darby, Pa. Brick, stone, 3 stories and basement, irregular, hot water heat, electric light, tile and marble work, metal lath, slag roof, oak and pine floors. Contract awarded Julius Nelson, Darby, Pa.

Residences (3), Montgomery ave., Wynnewood, Pa. Architect, private plans. Owner, Mrs. W. J. Wilson, Bryn Mawr, Pa. Stone, 2½ stories, 35x40 feet, black slate roof, oak and pine floors, hot water heat, electric light, tile work, ornamental iron work. Contract awarded S. A. Sims, 2313 Walnut street, Philadelphia.

Freight Car Repair Shop, Spring and Richmond streets, Reading, Pa. Owners, Phila. & Reading R. R., Twelfth and Market streets, Philadelphia. Steel, 330x880 feet, all modern facilities. Contract awarded McClintock Marshall Co., Morris Building, Philadelphia.

Bridge (alts.), south of Boyertown, Pa. Owners, Phila. & Reading R. R., Twelfth and Market streets, Philadelphia. Stone and concrete abutments, replacing second through

truss. Contract awarded J. H. Wickersham, Lancaster, Pa.

Relocation of Channel of Mahoning Creek, Maudsley, Pa. Architect, private plans. Owners, Phila. & Reading R. R., Twelfth and Market streets, Philadelphia. Contract awarded T. B. Evans, Danville, Pa.

Engine Yard Facilities, Spring and Richmond streets, Reading, Pa. Owners, Phila. & Reading R. R., Twelfth and Market streets, Philadelphia. Inspection pits (2), 170 feet each; ash pits, 155 feet long; water columns (5), 10 inches; tool, wash and locker house, 40x20 feet; crane runway, 180 feet long; water supply and drainage, cast iron, wrought iron, steel work for all pits, iron for crane runway awarded to Belmont Iron Co., Twenty-second and Washington avenue, Philadelphia.

Road Work, Pennsylvania. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa.

Washington County, R. 268, Elco, Coal Centre Boroughs, E. Pike Run Township, 14,654 feet. One course reinforced concrete, \$221,970.30. Contract awarded to R. H. Cunningham & Sons, Turtle Creek, Pa.

Jefferson County, R. 358, A. 3123, McCalmont Township. One course reinforced concrete, \$71,403.30. Contract awarded to M. J. McMahon, Brookville, Pa.

Jefferson County, R. 357, A. 3124-26, Young and Perry Townships. One course reinforced concrete. Contract awarded to M. J. McMahon, Brookville, Pa., \$94,890.65.

Lebanon County, A. 2213-2212, South Lebanon and Heidelberg Townships. One course reinforced concrete, \$151,757.10. Contract awarded to Clyde B. John & Bro., Malvern, Pa.

Washington County, R. 268, Sec. 5, Stockdale, Roscoe and Elco Boroughs, Allen Township. One course reinforced concrete, \$80,572.10. Contract awarded to Blue Ridge Construction Co., Uniontown, Pa.

New Jersey Construction News

Sunday School, Hightstown, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton. Owners, First Baptist Church, W. C. Hutchinson, Hightstown, N. J. Brick, steel, 2 stories and base, 42x86 feet, slate roof, pine floors, hot water heat, electric light, tile work, skylights. Plans in progress.

Stores (3) and Apartments, S. River Street, Trenton, N. J. Architect, R. W. Schumann, 202 W. State street, Trenton, N. J. Owner, Walter Janss, care of architect. Brick, 2 stories, 50x90 feet, slate roof, hardwood floors, metal ceilings, copper work, tile, steam heat, electric light. Plans in progress.

Bank (alts. and add.), S. Broad street, Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Mercer Trust Co., W. G. Howell, treasurer, Broad and Market streets, Trenton, N. J. Stone, 1 story, 43x60 feet, slag roof, tile floors, roof ventilators, metal window guards, ornamental iron work, vault, general interior alterations, skylights, steel sash, tile and marble, heating extension, electric light. Plans in progress.

Residence, Trenton, N. J. Architect, R. A. Schumann, 202 W. State street, Trenton, N. J. Owner, H. Silverstein, care of architect. Brick, 2½ stories, 22x56 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress. Architect will be ready for bids next week.

School, (add.), Stevens, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton. Owners, Burlington Township School Board, E. H. Russell, Burlington, N. J. Brick, 1 story addition, 28x82 feet. Owners will be ready for bids at end of week.

Fire House, White House, N. J., \$25,000. Architect, R. A. Schumann, 202 W. State street, Trenton, N. J. Owners, White House Fire Co. No. 1, White House, N. J. Stone, steel, 2 stories, 5x100 feet, slate roof, concrete and hardwood floors steam heating, electric lighting. Owners will build.

Residences (12), Trenton, N. J. Architect, Walter Hankin, 224 E. Hanover street, Trenton, N. J. Owner, Joseph Drugan, Trenton, N. J. Frame, brick, stucco, 2½ stories, 26x38 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress. Owner will take sub-bids.

Residences (12), Trenton, N. J. Architect, Walter Hankin, 224 E. Hanover street, Trenton, N. J. Owners, Koppoeman Co., Trenton, N. J. Frame, brick, stucco, 2½ stories, 26x38 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Owners will take sub-bids.

Stores (3) and Apartments (alts.), Perry street, Trenton, N. J. Architect, Walter Hankin, 224 E. Hanover street, Trenton, N. J. Owner, R. Z. Robin, care of architect. Brick, 3 stories, 40x70 feet, slag roof, pine floors, roof ventilators, baking equipment, plate glass, tile work, hot water heat, electric light. Architect will be ready for bids in 10 days.

Sunday School, Delanco, N. J. Architect, Edward F. Bertolotti, 721 Walnut street, Philadelphia. Owners, Delanco Presbyterian Church, Delanco, N. J. Stone, frame, 1 story and base, steam heat, electric light, maple floors. Architect taking bids.

County Jail (alts. and add.), Cape May Court House, N. J. Architects, Edwards & Green, 23 Broadway, Camden, N. J. Owners, Board of Chosen Freeholders, Cape May Court House, N. J. Construction, Plumbing, Drainage, Heating and Ventilating, Cells and Jail equipment. Owners taking bids due May 6th.

Residences (2), 1309-11 Morton street, Camden, N. J., \$9,000. Architect, Private plans. Owner, Joseph Zubrzycki, 1299 Morton street, Camden, N. J. Brick, 2 stories, 14.5x50 feet, slag roof, pine floors, hot air heating, electric lighting. Owner will build.

Roosevelt School, Westfield, N. J. Architects, Wilder & White, 16 East 41st street, New York City. Owners, Board of Education, Westfield, N. J. Brick, steel, 3 stories and base, 184x171 feet, (plumbing, heating, electric and ventilating separate), slag roof, cement and maple floors, metal lath, galvanized iron skylights, bond, ornamental iron work, safety treads, metal window guards, waterproofing, terra cotta coping, bluestone, ornamental terra cotta. Owner taking bids due May 5th.

Theatre, Stores and Apartments, Pitman, N. J. Architects, Magaziner Eberhard & Harris, 603 Chestnut street, Philadelphia. Owners, Pitman Realty Co., Pitman, N. J. Brick, cinder, block, cut stone, 2 stories, base and gallery, 139x100 feet, slag roof, cement and oak floors, plumbing, roof ventilators, architectural terra cotta, ornamental iron work, bond, kalamein doors, galvanized iron skylights, tile and marble work, metal lath, metal toilet partition, bluestone, wrought iron pipe. Architects taking bids due May 5th.

Conventional Hall (alts.), Line street, Camden, N. J. Architects, Edwards & Green, Camden, N. J. Owners, City of Camden, N. J. Low bidders: J. M. Yardley, 1730 Sansom street, Philadelphia, \$166,755; Hurley Bryan

Co., 177 South 20th street, Philadelphia, \$182,300. Plumbing, D. Leopold, Camden, N. J., \$15,220. Heating, Deckman Plumbing & Heating Co., Woodlyn, N. J., \$14,728. Bids exceeded appropriation.

School, Williamstown, N. J. Architects, Hill & Gollner, Broad Street Bank Building, Trenton, N. J. Owners, School Board of Williamstown, N. J. Low bidders: Fred Lange, Audubon, N. J., \$88,070; J. M. Yardley, 1730 Sansom street, Philadelphia, \$88,463. Plumbing, heating and electrical work will be opened April 27th.

Office, Factory and Garage, Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Freeman Electric Co., Prince and Mead streets, Trenton, N. J. Brick, steel, Factory 3 stories, 90x80 feet; Office 3 stories, 44x82 feet; Garage 1 story, 37x32 feet, slag roof, hardwood, linoleum and concrete floors, vapor heat, electric light, metal lath, steel sash. Low bidder: Wm. C. Ehret, 13 West State street, Trenton, N. J.

New Jersey Contracts Awarded

Club House, Vineland, N. J. Architect, Geo. E. Savage, Witherspoon Building, Philadelphia. Owners, B. P. O. E., care of S. E. D. Ippolito, Vineland, N. J. Brick, 2 stories, 45x120 feet, slag roof, pine and hardwood floors, hot water heat, electric light, tile work, plumbing. Contract awarded to C. Schiabe, Vineland, N. J.

Residence and Garage, Moorestown, N. J. Architect, Fred L. Ackerman, 25 West 44th street, New York City. Owner, Dr. S. Emlen Stokes, Moorestown, N. J. Stone, brick, steel, 2½ stories and base, 100x46 feet, winf 55x23 feet. Garage 2 stories, 28x64 feet, slag, greenslate roof, cement and oak floors, terra cotta, roof ventilators, metal weatherstrips, water and dampproofing, ornamental iron work, bond, metal lath, tile and marble work, metal lumber, art-cut stone, bluestone, soapstone, magnetic composition floors, rubber flooring, cork flooring, painting and glazing, (plumbing, heating, electric work, lighting fixtures reserved. Contract awarded J. S. Cornell & Son, 1528 Cherry street, Philadelphia, but not signed.

Department Store (alts. and add.), Atlantic City, N. J. Architects, Magaziner Eberhard & Harris, 603 Chestnut street, Philadelphia. Owner, Adolph Pries, Mt. Vernon and Atlantic avenues, Atlantic City, N. J. Steel, slow burning, 3 stories and base, 55x100 feet, (heating, steam plumbing, electric reserved), slag roof, maple floors, hollow tile, maple floors, elevators, water and dampproofing, ornamental iron work, iron stairs, rolled steel sash, tile and marble work, metal lath. Contract awarded Wm. Linker Co., 735 Cherry street, Philadelphia.

Church and Sunday School, Audubon, N. J. Architect, F. N. Watson, 1211 Walnut street, Philadelphia. Owners, Logan Memorial Presbyterian Church, Rev. G. Kane, Audubon. Stone, steel, 1½ stories, 61x57 feet, green slate roof, maple floors, plumbing, galvanized iron pipe, precast stone, ornamental iron work, bond, metal lath, electric light, steam heat, Wilson rolling blinds, (Double-Double) ventilator windows, steel pipe. Contract awarded Bennett McLaughlin, 3060 Ludlow street, Philadelphia.

Residence, Baird avenue and Park boulevard, Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, Dr. I. S. Siris, 936 Broadway, Camden, N. J. Brick, 2½ stories, 40x60 feet, tile roof, hardwood floors, hot water heat, electric

light, tile work. Contract awarded to G. J. Ratcliffe, 1130 Haddon avenue, Camden, N. J.

Residences (6), Collingswood, N. J., \$25,000. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, Fred H. Boehm, care of architect. Stone, brick, cinder block, 2 stories, 16x36 feet, tile and slag roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to Joseph Haines, Collingswood, N. J.

Store (add.), Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton. Owner, H. M. Voorhees, 131 East State street, Trenton, N. J. Brick, steel, 4 stories, 54x60 feet, slag roof, pine floors, roof ventilators, hollow tile, elevators, ornamental iron work, iron stairs. Contract awarded to J. H. Morris, 211 North Montgomery street, Trenton, N. J.

Residence (alts.), Haddonfield, N. J., \$10,000. Architect, J. Fletcher Street, 1120 Locust street, Philadelphia. Owner, S. Lynn Mahaffey, Haddonfield, N. J. General interior changes. Contract awarded J. Ward Capern, Haddonfield, N. J.

Manufacturing Building, Wenona, N. J. Architect, private plans. Owners, Pan American Products Corp, Wenona, N. J. Reinforced concrete, cement block, structural steel, 2 stories and base, 30x62, steel sash, carpentry, tile roof. Contract awarded John D. Lawrence, Westville, N. J.

Residences (5), 1280-88 Van Hook street, Camden, N. J., \$20,000. Architect, private plans. Owner, Michael Ferranti, 1540 Mt. Ephraim avenue, Camden, N. J. Brick, 2 stories, 14.6x47 feet, slag roof, hot air heating, electric lighting. Contract awarded to Smith Bros., 603 Park avenue, Collingswood, N. J.

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Ferry House, Pennsville, N. J. Naval architects, Chapman & Fisher, 524 Walnut street, Philadelphia. Owners, New Castle Pennsville, Ferry Corporation, Pennsville, N. J. Frame, 1 story piling. Contract awarded Simpson & Brown Co., care of engineer.

Store and Residence, 900 North 31st street, Camden, N. J., \$6,500. Architect, private plans. Owner, Leon Faerber, 706 North 27th street, Camden, N. J. Brick, 2 stories, 18x50 feet, slag roof, hardwood and pine floors, hot water heating, electric lighting. Contract awarded to H. B. Simpkins, 449 North 32nd street, Camden, N. J.

Miscellaneous Construction News

Residence, Wilmington, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner, name withheld. Brick, stucco, 2½ stories, slate roof, hardwood floors, hot air heat, electric light. Preliminary plans in progress.

Elks' Home, Wilmington, Del. Architect, C. R. Hope, DuPont Building, Wilmington, Del. Owners, Wilmington Lodge of Elks, care of architect. Brick, steel, 3 stories, 50x90, feet, slag, roof, hardwood floors, hollow tile, elevators, safety treads, roof ventilators, iron stairs, ornamental iron work, tile work, metal lath, steam heat, electric light. Architect will be ready for bids May 1st.

Road Work, Delaware. Owners, State Highway Department, Dover, Del. Contract 37-D, Surfacing at Drawyers, 0.24 miles. Low bidder: R. H. Johnson, Wilmington, Del., Penetration, \$10,761.50; Amiesite, \$11,882.50. Contract CN-19A, Fill & Lum's Pond, 1,250 feet. Low bidders: Lee & Marvel, Townsend, Del., \$3,000. Contract SC-40, DuPont, Road—Lincoln City, 1.09 miles. Low bidder: Old Line Constructing Co., Chestertown, Md., \$34,693.75.

Apartment House, location withheld, \$400,000. Architect, William L. Charr, Victory Building, Philadelphia. Owner, name withheld. Limestone, steel, brick, 5 stories, 150x100 feet, concrete roof, hardwood and maple floors, elevators, safety treads, metal weatherstrips, water and dampproofing, terra cotta, ornamental iron work, iron stairs, bond fire and kalamein doors, hollow metal sash and skylight, tile marble and terrazzo work, metal lath, oil burning, steam heat, electric light. Preliminary plans in progress.

Miscellaneous Contracts Awarded

Store and Tea Room, 9th and Tatnall streets, Wilmington, Del. Architect, R. C. Tindall, 914 Orange street, Wilmington, Del. Owner, C. L. Ward, care of architect. Brick, stucco, 3 stories, 90x54 feet, slag roof, wood floors, tile work, hot water heat, electric light, bronze work. Contract awarded to Smyth Construction Co., Delaware Trust Building, Wilmington, Del.

Dairy (add.), 12th and Orange streets, Wilmington, Del. Architect R. C. Tindall, 914 Orange street, Wilmington, Del. Owners, Clover Dairy Co., on premises. Brick, steel, 2 stories, 14x70 feet, Johns Manville composition roof, cement floors, steam heat, electric light. Contract awarded to C. J. Dougherty, 2515 West 18th street, Wilmington, Del.

Residence, Wilmington, Del. Architect, R. C. Tindall, 914 Orange street, Wilmington, Del. Owner, Charles Oberly, 2510 Van

Buren street, Wilmington, Del. Brick, 2½ stories, 41x40 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to C. J. Dougherty, 2515 West 18th street, Wilmington, Del.

Residence, Winston-Salem, N. C. Architect, C. Barton Keen, 338 S. Smedley street, Philadelphia. Owner, Carl W. Harris, Winston Salem, N. C. Brick, cut stone, hollow tile, stucco, steel, 2½ stories, 72x30 feet, garage 24x20 feet, (plumbing, heating, electric, tile and marble, cork tile floors, weather stripping reserved), tile and slag roof, oak, pine and cement floors, metal lath, water-proofing, ornamental iron work, tin-clad doors. Contract awarded McNeill Constructing Co., Schaff Building, Philadelphia.

Residence and Garage, Winston-Salem, N. C. Architects, Charles Barton Keen & Wallace, 338 S. Smedley St., Philadelphia. Owner, B. S. Womble, Winston-Salem, N. C. Hollow tile and stucco, 2½ stories, 67x32 feet, garage, 2 stories, 22x25 feet, (heating, plumbing, electric, tile, marble work reserved), Ludawici Celadon tile roof, oak and cement floors. Contract awarded Flora Constructing Co., Danville, Va.

The Editorial, "Tendencies in Building Design," continued from April 15th issue, will be concluded next week.

COLOR IN ARCHITECTURE

"Americans are continually criticised for their failure to respond to the artistic or beautiful," said Hazel Adler, notable specialist and authority on color in her address before an audience of architects at the Industrial and Allied Arts Exposition at Grand Central Palace, recently. Miss Adler spoke at the invitation of The Lehigh Portland Cement Company, pioneers in colored concrete.

Miss Adler said in part: "American temperament is supposed to be dominated by materialism and commercialism. How far the environments in which the great majority of Americans live, have influenced their colorless temperaments, may be judged when one pictures in the mind's eye the external atmosphere of a typical American city or town which, to even a tolerant observer, is drab, colorless and uninteresting. American "Main Streets" are the cradles of American temperament.

"In every phase of modern life color now makes its appeal. Our books, periodicals and advertising are all colorful. Our clothing, our vehicles, the theatre and our shop windows outdo one another in presenting to the mind a color picture. As life becomes more colorful in all its aspects, so the visible expression of that life—architecture—must become increasingly colorful and architecture today is at the threshold of a color renaissance.

"The possibilities of architectural color expression offered by reinforced concrete represents the simplest and more responsive avenue of approach. The colors suitable for the body of concrete

structures are only limited by the artistic conception of the architect. There are no decidedly right or decidedly wrong colors. Each color is suitable to a particular architectural type, environment, texture of finish and roof and trim color scheme. The scope of selection is an inspiration in itself. Then, too, concrete color stain is a permanent stain and architects need not fear the havoc to their color selection of sun and weather.

"Colored concrete is not limited to urban cottages, but has even a greater service to offer to residences and buildings in congested cities. In the country, trees, sky, flowers and shrubs offer colorful backgrounds, but in the city where the great majority of our population is located, the majority of waking hours are spent amid the grayed and dingy backgrounds of the city streets.

"Residential blocks of variegated colored concrete, far from being an eye sore, can be made a source of exquisite delight. In a run down, dilapidated neighborhood, only a few blocks away from the busiest business corner in New York City, a group of artists a few years ago purchased two rows of houses on two adjacent streets with back yards adjoining. They remodeled the exteriors of the old structures with concrete and tinted the back walls of the houses in a charming array of soft blues, stone pinks, gray greens and warm buffs. The back fences were removed and a community garden took the place of the individual backyards.

"The selection of the color for the concrete depends on the architectural type of the house, its surroundings and the roof and trim color scheme which is to be used with it. Warm cream and fawn are always a dependable selection. With the cream, several excellent color schemes readily present themselves.

"A brown roof can be used with green trim; a green roof with brown trim; or a red roof with white trim.

"Lichen green, terra cotta red, stone pink, sage-green, venetian orange, all offer interesting and practical possibilities for stucco houses. Each color of course demands artistic discernment in the selection of the other colors to be used with it.

The coloring of the walls becomes the problem of the architect and builder as well as the decorator. A wide and delightful range of colors can be applied to interior concrete walls as well as a wide range of interesting textures."

To be poor in a wealthy country, to be sick in a good climate, to be inefficient among a progressive people, is a sign of unwise educational methods. Such people were not taught to battle with the world or meet life's emergencies.—Thoreau.

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Entered at the Philadelphia Post Office as Second-Class Matter

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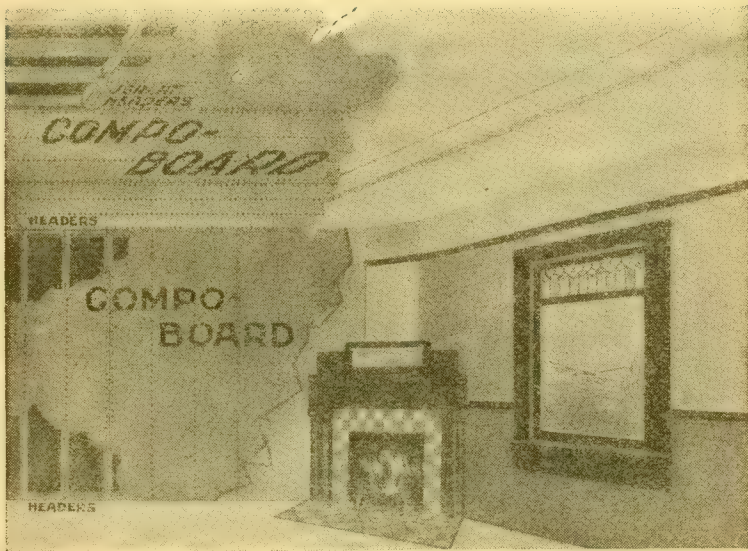
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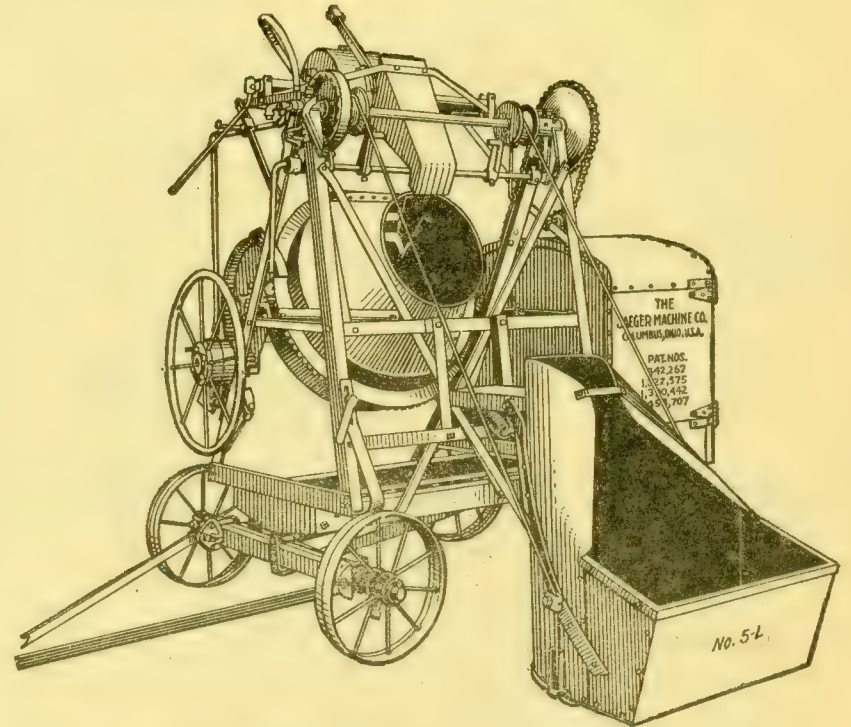
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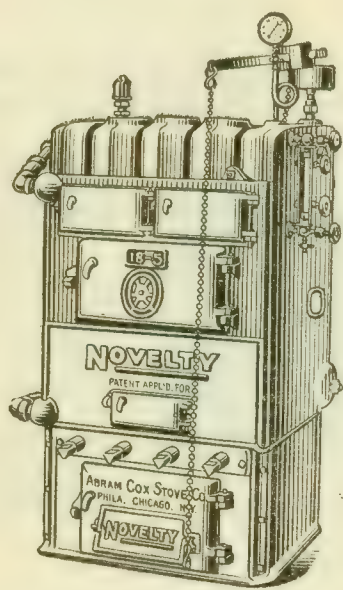
No need to remind you of the increasing confusion caused by the irregularities of present boiler ratings. Without any uniform standard or any safe means of comparison, manufacturers can fix arbitrary figures that are actually misleading. So how can anyone estimate boiler capacity with any accuracy?

Many of you are aware that this absence of any standard of comparison makes it pos-

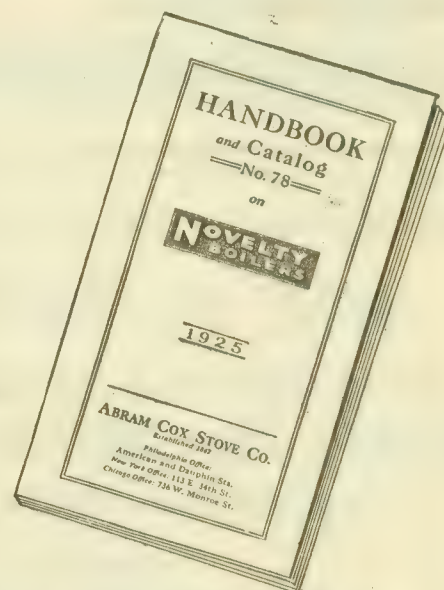
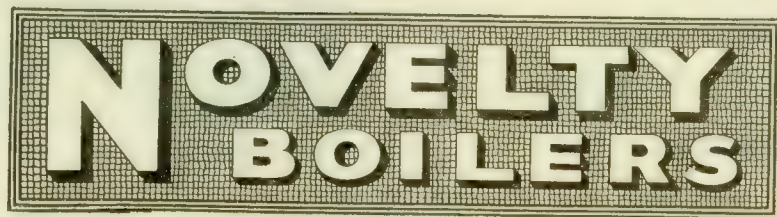
sible for unscrupulous manufacturers to charge exorbitant prices by rating their boilers far in excess of their true capacity.

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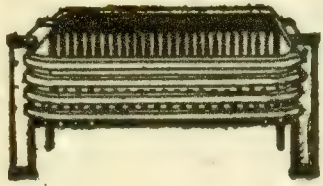
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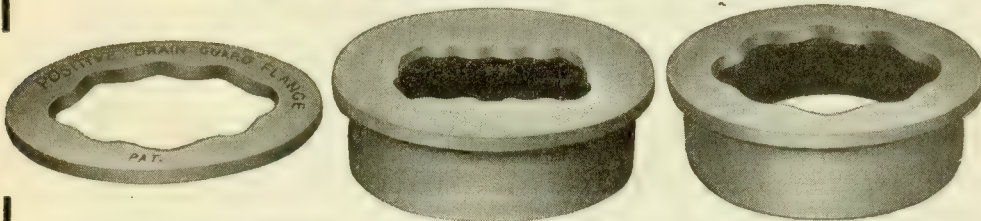
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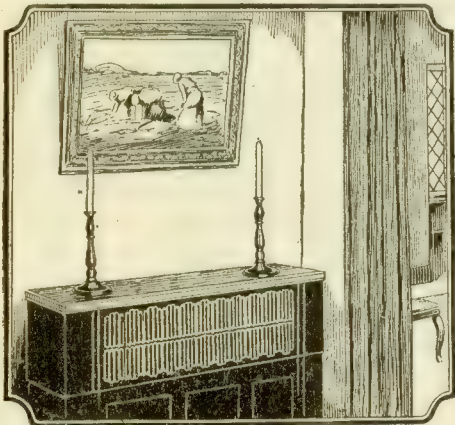
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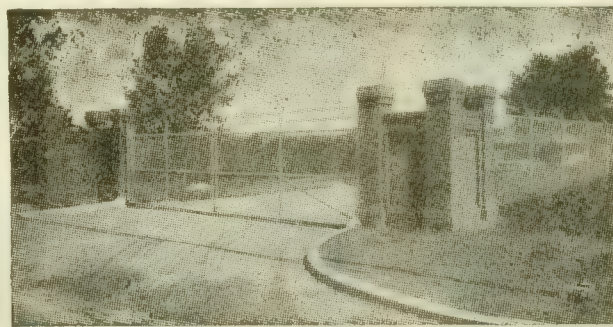
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Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XL
Number 18

PHILADELPHIA
May 6, 1925

BUILDERS' GUIDE

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BY

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS;

CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Hotel, Club and Offices, Rittenhouse District, Philadelphia, \$850,000. Architect, name withheld. Owners, Emergency Aid of Pennsylvania, Mrs. J. Willis Martin, acting chairman, Twenty-first and Walnut streets, Philadelphia. Brick, steel, concrete, stone, will contain 420 rooms and baths, cafeteria, private dining rooms, auditorium and offices, reading rooms, etc. Tentative plans drawn. Work contemplated.

Stores (9), Office Building, Southwest Corner Twentieth and Market streets, Philadelphia. Architect, Abraham Levy, 805 Elrae Building, Philadelphia. Owners, Ninth Ward Realty Company, care of architect. Limestone or art stone, brick and steel, 2 stories, 52x160 feet, slag roof, maple and cement floors, steam heat, electric light, tile and marble work, hollow metal skylights, metal bulks. Plans in progress.

Residence (alts.), 15 East Mermaid lane, Philadelphia. Architect, Joseph E. Lowry, Land Title Building, Philadelphia. Owner, Mrs. Malloy, on premises. General alterations. Plans in progress.

Auxiliary Building (alts.), 306 South Thirteenth street, Philadelphia. Architects, T. B. Lippincott and C. F. Schaef, 11 South Sixteenth street, Philadelphia. Owners, St. John's Roman Catholic Church, Rev. Monsignor F. X. Wastl, 21 South Thirteenth street. General alterations, auditorium and basement. Plans in progress. Ready for bids in 10 days.

Garage, 2017 North Front street, Philadelphia. Architect, Abraham Levy, 805 Elrae Building, Philadelphia. Owner, Louis Goldstein, care of architect. Brick, steel, 1 story, 36x90 feet, 72x100 feet, slag roof, steam heat, electric light, concrete floors, hollow metal skylights. Owner will be ready for bids in a few days.

Manheim Riding Academy, Rittenhouse street near Wissahickon avenue. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, John A. Foley, Esq., on premises. Stone, brick, limestone, steel, 1 story and 2 stories and basement, 84x120 feet (heating reserved), asbestos built-up roof, cement floors, plumbing, waterproofing, ornamental iron work, bond, rolled steel sash, metal lath, electric lighting, wrought iron pipe. Architect taking bids due May 11th.

Miscellaneous Work, Philadelphia. Owners, Department of Wharves, Docks and Ferries, Pier No. 4, South Wharves. Schedule A, for ht renewal of the water supply system, Municipal Pier, No. 19 North Delaware River. Schedule B, replacement wood fenders, guards, logs, Municipal Pier, No. 16, South Delaware River. Schedule C, for dredging in Schuylkill River. Schedule A, deposit \$10, refunded. Certified check 5 per cent. of amount of bid. Owners taking bids due May 8th, 11 A. M. (Standard Time).

Press Building, Ontario and Richmond streets, Philadelphia. Architect, John H. Rackie, 4448 Frankford avenue, Philadelphia. Owners, Enterprise Tallow & Grease Co., on premises. Brick, steel, 2 stories and basement, 50x70 feet, slag roof, cement and brick floors. Architect taking bids due May 8th.

Garage (alts. and add.), 911-17 North Twenty-sixth street, Philadelphia. Architect, Joseph Margolis, Schaff Building, Philadelphia. Owner, Joseph Woldow, on premises. Brick, cast stone, steel, 1 story, 117x37 feet (plumbing and heating reserved), slag roof, cement floors, electric light, rolled steel sash, fire doors, bond, ornamental iron work. Architect taking bids due May 5th.

Residences (2), West side Loretto street, North of Griffith, \$4,500 each. Architect, pri-

vate plans. Owner, George Ramsey, Cheltenham, Pa. Frame, 2 story, 14x40 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (35), Sixth and Bristol streets, Philadelphia. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Owners, Nathanson & Sachs, 322 East Roosevelt Boulevard, Philadelphia. Brick, 2 stories, 16x40 feet, 18x30 feet, 15x50 feet, etc., slag and tile roof, hardwood floors, hot water heat, electric light, metal lath, tile work, garages in basement, cement work. Owners taking sub-bids.

Rear Addition, Fifty-sixth and Thomas avenue, Philadelphia. Architect, private plans. Owner, A. G. Welch, on premises. Brick, 1 story, 8x12 feet, slag roof, pine floors, hot water heat, electric light. W. Edw. Pierce, 328 South Juniper street, taking sub-bids due as soon as possible.

Garage, Southwest Corner Fifth and Butler streets, Philadelphia. Architect, Edwin A. Roth, Drexel Building, Philadelphia. Owners, J. Meyers, 4700 North Eighth street, and H. Mitchell, 808 West Wyoming avenue. Brick, steel, 1 story, 80x100 feet, composition roof, concrete floors, steam heat, electric light, hollow metal sash and skylights, wood doors. Plans about completed. Owners will take sub-bids in one week.

Residences (195), Elmwood, Wheeler, Seventy-fourth, Seventy-fifth, Ashford road, Belford road, Elmwood to Buist avenue, Philadelphia. Architect, William Lowenthal, 1208 Chestnut street, Philadelphia. Owner, 913 Lincoln Building, Philadelphia. Brick, 2 stories, (35) 16x40 feet, (160) 16x32 feet, (13) basement stores, (182) basement garages, slag tile, tin roof, metal ceilings, hot water heat, electric light, metal lath, tile and marble

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work, wood bulks. Plans completed. Owner will be ready for sub-bids May 4th.

Garage, Fifty-second and Walnut streets, Philadelphia. Architect, Benjamin Brown, Guarantee Trust Building, Atlantic City. Owner, W. G. Tolliver, 5121 Chancellor street, Philadelphia. Steel, concrete, 2 stories, 57x155 feet, slag roof, concrete floors, elevators, hot water heat, electric light, metal lath, fire doors. Owner taking sub-bids.

Office Building, Southwest Corner Seventeenth and Sansom streets, Philadelphia, \$145,000. Architects, W. H. Gravell and A. W. Hall, Otis Building, Philadelphia. Owners, Penn Realty Co., 1700 Sansom street, Philadelphia. Steel and brick, 8 stories, 36x64 feet, slag roof, steam heat, electric light, pine and cement floors. Owners will build.

Miscellaneous Work. Owners, Department of Public Works, Bureau of City Property, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Fire House (alts.), Callowhill and Uber streets, Philadelphia. Second Street Market, plumbing. Wisonomining Playground, Comfort Station. Plans about completed. Owners ready for bids.

Superstructure of Stadium, Broad and Patterson avenue, Philadelphia. Architects, Simons & Simon, 249 South Juniper street, Philadelphia. Owners, City of Philadelphia, Department of Public Works, 232 City Hall. Brick, reinforced concrete, steel, 174x1950 feet, semi-circle, slag, asbestos, tin and tile roof, steam heat, electric light, marble and terrazzo work hollow tile, plumbing, fire doors, ornamental iron work, caulking, wrought iron pipe. Owners taking bids due May 12th, 11 A. M. (Standard Time).

Church (alts. and add.), Dauphin street and Tulip street, Philadelphia. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Summerfield Methodist Episcopal Church, Rev. G. Luff, 2342 East Dauphin street. Bond, electric work, sheet metal, painting and glazing, plastering, mill work, carpentry, cement work, concrete work, stone work (alternate slate roof) (plumbing, heating reserved). Owners taking bids due May 9th.

Southeast and Northwest Extension of Building, No. 4, Elmwood avenue, between Sixty-eighth and Seventieth street, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, General Electric Co., Witherspoon Building, Philadelphia. Reinforced concrete, brick, steel, 1 story and gallery, 250x120 feet, wing 142x23 feet, 231x79 feet, train shed, 250x15 feet, Genacro Pyrofill monolithic slate roof, cement and maple floors, painting and glazing, hollow metal sash, copper skylights, architectural terra cotta, dampproofing and waterproofing, ornamental iron work, rolling steel doors, wood block floors (heating, electric, sprinklers,

cranes, plumbing, elevator and doors, railroad tracks, wire duct work reserved). Architects taking bids due May 8th at 3 P. M.

Sunday School Building, City Line and Lancaster avenue, Overbrook, Pa. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Overbrook Presbyterian Church, Clarence Geist, Overbrook, Pa. Stone, brick, cut stone, steel, steam heat, electric light, metal lath, tile, marble and terrazzo work, hollow metal sash and doors, rolled steel skylights, bond, floor hardener, ornamental iron work, slag, Vermont slate roof, concrete and pine floors, plumbing, roof ventilators, shoring, bluestone, steel casement sash, wrought iron pipe, dumb waiters, brass pipe. Architects taking bids due May 12th.

Store Building, Twenty-second and Ridge avenue, Philadelphia. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owner, William Shore, on premises. Architects taking bids due May 9th.

Shop and Garage, 512 North Sixty-second street, Philadelphia. Owners, Lincoln Way Auto Repair Shop, 6201 Girard avenue, Philadelphia. Architect, private plans. Brick, steel, 2 stories, 50x50 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash. Owner taking bids due as soon as possible.

Vaughan School, Marlboro and Thompson streets, Philadelphia. Architect, I. T. Catharine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Owners taking bids due May 7th.

Garage, Twenty-sixth and Somerset streets, Philadelphia. Architects, Thalheimer & Weiss, 10 South Eighteenth street, Philadelphia. Owner, Peter Stephens, on premises. Brick, steel, 104x56 feet, slag roof, cement and pine floors, elevators, iron stairs. Architects taking bids due as soon as possible.

Vare Playground, Twenty-sixth and Morris streets, Philadelphia. Owners, Department of Public Welfare, Bureau of Recreation, 595 City Hall. Owners taking bids due May 12th, 11 A. M. (Standard Time) on playground apparatus.

Residences (3), North side Mt. Airy avenue, West of Crittenden street, \$10,000. Architect, private plans. Owner, William H. Liebrich, 2840 Ridge avenue, Philadelphia. Brick, 2 stories, 20x41 feet, 15x6 feet, hot water heat, electric light, hardwood and pine floors. Owner will build.

Residences (22), Delmar street, Fountain street and Pechin street, Philadelphia, \$88,000. Architect, private plans. Owner, Harry Slass, 5324 Berks street, Philadelphia. Brick, 2 stories, various sizes, hot water heat, electric light, slag roof, pine floors. Owner will build.

Residences (26), Brill, Duffield and Hawthorne streets, \$4,600 each. Architect, private plans. Owner, Harry Schmitt, 5241 North

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Residences (5), (1) Gates street, East of Shollop, and (4), 420-26 Monastery avenue, Philadelphia, \$28,000. Owner, C. M. Swartley, 6835 Ridge avenue, Philadelphia. Brick, 2 stories, hardwood and pine floors, hot water heat, electric light, (1) 19x47 feet, (4) 17x33 feet. Owner will build.

Warehouse, 4710-12 Market street, Philadelphia, \$30,000. Engineers, W. P. Cameron Eng. Co., Packard Building, Philadelphia. Owners, Edward R. Sabiq Co., 4729 Ludlow street, Philadelphia. Brick, 3 stories, 41 feet 9 inches x 87 feet 2 inches, slag roof, steel sash, elevators, electric work, steam heat. Engineers will build.

Residences (3), East side Edgemont street, South of Eddington street, \$15,500. Architect, private plans. Owner, W. W. Dunay, 4462 Edgemont street, Philadelphia. Brick, 2 stories, 16x59 feet, hot water heat, electric light, hardwood and pine floors. Owner will build.

Residences (6), West side Hampton road, West of Germantown avenue, \$14,000. Architect, private plans. Owner, Judson M. Zane, 1434 Land Title Building, Philadelphia. Brick, 3 stories, 25 feet 3 inches x 35 feet, hardwood and pine floors, electric light, tile work. Owner will build.

Residence, West side Erdnick street, South of Comly street, Philadelphia, \$5,000. Architect, private plans. Owner, Louis Hinze, 5908 Jackson street, Philadelphia. Brick, 2 stories, 16x43 feet, hot air heat, electric light, slag roof, pine floors. Owner will build.

Residences (6), South side Kerper street, West of Bingham street, \$4,500 each. Architect, private plans. Owner, William I. Isles, 410 Levick street, Philadelphia. Brick, 2 stories, 14x40 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residences (2), North side Laycock avenue, East of Eighty-ninth street, \$4,000 each. Architect, private plans. Owner, Robert R. Heath, 3217 South Eighty-seventh street, Philadelphia. Brick, 2 stories, 14x38 feet, slag roof, pine floors, pipeless heat, electric light. Owner will build.

Garage, 2335 North Seventh street, Philadelphia, \$3,000. Architect, private plans. Owner, H. J. Hettinger, on premises. Brick, 1 story, 32x36 feet, slag roof, cement floors, electric light. Owner will build.

Stores (6), East side Sixty-eighth street, North of Woodland avenue, \$3,000 each. Architect, private plans. Owner, A. Leibowitz, 4045 Baltimore avenue, Philadelphia. Brick, 1 story, 16x50 feet, slag roof, pine floors, electric light. Owner will build.

Residences (15), North side Gibson avenue, West of Fifty-third street, \$5,000 each. Architect, private plans. Owner, Rufus C. Mitchell, Fifty-fourth and Gray's avenue, Philadelphia. Brick, 2 stories, 16x32 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (21), Sheldon street, North of Wister avenue, \$4,500 each. Architect, private plans. Owners, Carson Brothers, 5601 Germantown avenue, Philadelphia. Brick, 2 stories, 16x31 feet, slag roof, pine floors, hot water heat, electric light. Owners will build.

Residence, North side Chelwynde avenue, East of Eighty-third street, Philadelphia, \$6,000. Architect, private plans. Owner, F. M. Alber, 8412 Brewster avenue, Philadelphia. Brick, 2 stories, 26x49 feet, hot water heat, electric light, hardwood and pine floors. Owner will build.

Overbrook Ice Station, Lancaster avenue, West of Sixty-first street, \$5,000. Architect, private plans. Owners, American Ice Co., 121 North Broad street, Philadelphia. Brick, 1 story, 32x32 feet, slag roof, cement and pine floors, plumbing, roof ventilators, galvanized iron pipe, brass pipe. Owners will build.

Residence and Store, Northwest Corner Sanger and Akron streets, \$6,000. Architect, private plans. Owner, C. Keily, 3118 Midvale avenue, Philadelphia. Brick, 2 stories, 16x50 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (2), West side Oakley street, South of Longshore, \$5,500 each. Architect, private plans. Owner, Hyman Korman, Oxford avenue and Levick street, Philadelphia. Brick and frame, 2 stories, 16x26 feet, 19x16 feet, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (2), West side Oakley, South of Longshore, \$5,250 each. Owner, Hyman Korman, Oxford and Levick streets, Philadelphia. Frame, 2 stories, 16x38 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (68), Bridge, Loretta and Marcella streets, \$5,000 each. Architect, private plans. Owner, M. Best, Roosevelt Boulevard and Oxford pike, Philadelphia. Brick, 2 stories, 15x28 feet, 12x12 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residence, North side Pratt street, East of Torresdale avenue, \$4,800. Architect, private plans. Owner, John F. Kozmierzak, 4827 Tacony street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (62), Sixty-seventh and Guyer avenue, Philadelphia, \$278,400. Architect,

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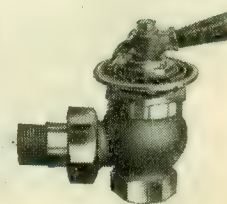
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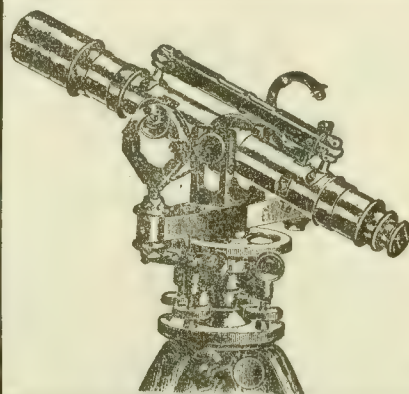


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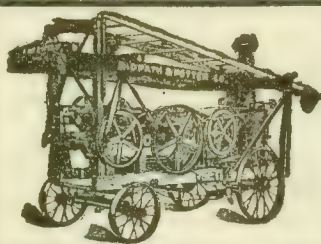
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private plans. Owners, Gillingham & Hynes, 5213 Chestnut street, Philadelphia. Brick, 2 stories, 16x31 feet and 16x36 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Penrose Playground, Twelfth and Susquehanna avenue, Philadelphia. Architect, private plans. Owners, City of Philadelphia, Department of Public Welfare, Bureau of Recreation, 595 City Hall. Furnishing and installing playground equipment. Owners taking bids due May 8th, 11 A. M. (Standard Time).

Residences (6), West side Pechin street, South of Ripka street, \$4,500 each. Architect, private plans. Owner, Joseph Hyde, 357 Lyceum avenue, Philadelphia. Brick, 2 stories, 14x28 feet, 11x12 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (16), Rector street, East of Henny street, Philadelphia, \$6,000 each. Architect, private plans. Owners, C. M. Swartley & Son, 6835 Ridge avenue, Philadelphia. Brick, 2 stories, 19 feet 3 inches x 33 feet, hardwood and pine floors, hot water heat, electric light, tile work. Owners will build.

Residences (27), North side Ainslee street, West of Henny street, \$5,000 each. Architect, private plans. Owner, M. J. McCruden, 1134 Real Estate Trust Building, Philadelphia. Brick, 2 stories, 16x32 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residence, North side Hunting Park avenue, East of J street, \$5,000. Architect, private plans. Owner, R. A. Bishop, 4537 Ditman street, Philadelphia. Brick, 2 stories, 16x15 feet, 18x26 feet, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (2), 101-03 East Moreland avenue, Philadelphia, \$5,000 each. Owners, John and Charles Conti, 107 East Moreland avenue, Philadelphia. Brick, 2 stories, 17x46 feet, 1 story, 17x8 feet, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residences (25), Herkness street, Roosevelt Boulevard and Jerico street, \$110,400. Architect, private plans. Owners, Gollub & Green, 5950 Delaney street, Philadelphia. Brick, 2 stories, various sizes, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residences (27), West side Marsden street, Cottman to St. Vincent, \$125,500. Architect, private plans. Owner, A. W. Maxwell, 2127 North Lambert street, Philadelphia. Brick, 2 stories, 16x45 feet, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (20), 1129-67 Bridge street, Philadelphia, \$110,600. Architect, private plans. Owner, John T. Harnett, 2329 North Thirty-third street, Philadelphia. Brick, 2 stories, various sizes, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (13), West side Horrocks, South of Bridge street, \$80,500. Architect, private plans. Owners, Smith, McGowan & Donnelly, 813 East Allegheny avenue, Philadelphia. Brick, 2 stories, various sizes, hardwood and pine floors, hot water heat, electric light. Owners will build.

Apartment, Southeast Corner Nedro and Camac streets, Philadelphia, \$40,000. Architect, William F. Koelle Co., 2601 Oxford street, Philadelphia. Owner, John Distler, Camac and Nedro streets, Philadelphia. Brick, 3 stories, 84x28 feet, 84x26 feet, slag roof, hardwood, pine and cement floors, steam heat, electric light, tile work. Architects will build.

Residences (7), Meade street, Sherman street and Highland avenue, \$31,500. Architect, private plans. Owner, E. Clifford Durell, 1713 North Twenty-fourth street, Philadelphia. Brick, 2 stories, 16x30 feet, 12x10 feet, hot water heat, electric light, hardwood and pine floors. Owner will build.

Shop, Northwest Corner Clarissa and Bristol streets, Philadelphia, \$16,100. Architect, private plans. Owners, B. Ridgway & Son, Ninth and Columbia avenue, Philadelphia. Iron, 1 story, 140x42 feet, 120x18 feet, corrugated iron roof, cement floors. Owners will build.

Building (add.), 8301 Torresdale avenue, Philadelphia, \$10,000. Architect, private plans. Owners, Precision Grinding Wheel Co., on premises. Brick, 1 story, 67x97 feet, and 1 story, 16x96 feet, slag roof, electric work. Owners will build.

Residence, Northeast Corner Queen and Henny streets, Philadelphia, \$15,000. Architect, private plans. Owner, George W. Carson, 5601 Germantown avenue, Philadelphia. Stone, 3 stories, 24x41 feet, 1 story, 10x10 feet, slate roof, hardwood and pine floors, hot water heat, electric work. Owner will build.

Building (add.), Southwest Corner Sixth

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and Tabor road, Philadelphia, \$5,000. Architects, private plans. Owners, Proctor & Schwartz, on premises. Reinforced concrete, 1 story add., 16x38 feet, slag roof, cement floors, electric light, steam heat. Owners will build.

Garage, West side Torresdale avenue, South of Devereaux street, \$5,000. Owner, A. Rosen, 521 Porter street, Philadelphia. Brick, 1 story, 100x17 feet, slag roof, cement floors. Owner will build.

Residences (2), South side Lyons avenue, East of Seventy-eighth street, \$3,500 each. Architect, private plans. Owner, George S. Roe, 7711 Lyons avenue, Philadelphia. Brick, 2 stories, 16x30 feet, pine floors, hot air heat, electric light. Owner will build.

Residences (5), West side Tilton street, North of Westmoreland, \$3,500 each. Architect, private plans. Owner, Frank M. Faulkner, 6709 Frankford avenue, Philadelphia. Brick, 2 stories, 15x20 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Garage, 5422 Thompson street, Philadelphia, \$2,500. Architect, private plans. Owner, J. D. Fisher, 5426 Thompson street, Philadel-

phia. Brick, 1 story, 18x82 feet, slag roof, cement floors. Owner will build.

Building (add.), 5347 Alfred street, Philadelphia, \$3,000. Architect, private plans. Owner, Morris Banks, 543 West Penn street, Philadelphia. Brick, second story add., 20x60 feet, slag roof, pine floors. Owner will build.

Residence (add.), 219 North Fifty-second street, Philadelphia, \$3,000. Architect, private plans. Owner, Gordon W. Ardell, on premises. Brick, 2 stories, 20x13 feet, 4x9 feet. Owner will build.

Garage, 3625 North Fifth street, Philadelphia, \$2,600. Architect, private plans. Owner, C. Vanderpu, on premises. Brick, 1 story, 60x18 feet 6 inches, slag roof, cement floors. Owner will build.

Ice Storage Building, East side Palmetto street, South of Hellerman, \$2,000. Architect, private plans. Owners, American Ice Co., 121 North Broad street, Philadelphia. Frame, 1 story, 40x25 feet. Owners will build.

Garage, 3412 Benner street, Philadelphia, \$2,000. Architect, private plans. Owner, John M. Scheerbaum, on premises. Brick, 1 story, 18x75 feet, slag roof, cement floors. Owner will build.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Warehouse (alts.), 226 Chestnut street, Philadelphia, \$4,500. Architect, private plans. Owners, H. Bakestraw Co., 226 Chestnut street, Philadelphia. General alterations. Contract awarded to John J. Urban, 232 Ionic street, Philadelphia.

Store and Residence (alts.), 305 South street, Philadelphia, \$3,000. Architect, private plans. Owner, F. Landsberg, on premises. General alterations. Contract awarded to Sanberg & Naulty, 2622 South Ninth street, Philadelphia.

Residence, 838 North Nineteenth street, Philadelphia, \$3,000. Architect, private plans. Owner, P. J. McShea, 919 North Twentieth street, Philadelphia. General alterations. Contract awarded to Paul Brosz, 2511 West Huntingdon street, Philadelphia.

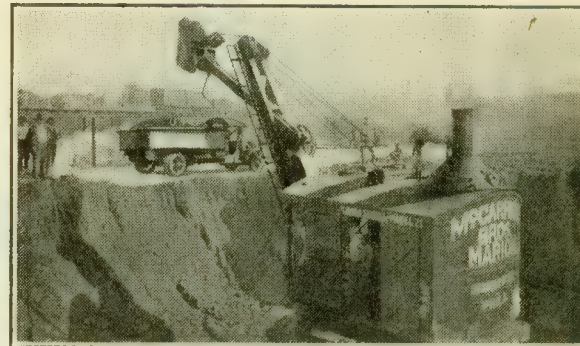
Residence, North side Faunce street, West of Bustleton avenue, \$6,500. Architect, private plans. Owner, John F. Davis, 1017 Arrott street, Philadelphia. Frame, 2 stories, 26x37 feet, shingle roof, hardwood floors. Contract awarded to Irwin H. Bauer, Bustleton and Loney streets.

Building (add.), East side Palethorpe street,

North of Tioga, \$5,000. Architect, private plans. Owner, Edward C. Smith, 4419 North Ninth street, Philadelphia. Brick, 1 story add., 51x47 feet, slag roof, pine floors. Contract awarded to Stofflet & Tillotson, Wesley Building, Philadelphia.

Building, 1315-17 Race street, Philadelphia. Architect, Frank E. Hahn, Seventh and Chestnut streets, Philadelphia. Owner, S. L. M. Firth, care of architect. Brick, cut stone, 2 stories and basement, 98x41 feet (plumbing, heating, electric reserved), slag roof, cement and maple floors, roof ventilators, metal ceilings, shoring, dampproofing, slate glazed terra cotta, coping, ornamental iron work, bond, tin lined doors, galvanized iron skylights, tile and marble work, rolled steel sash, metal lath, cold water painting, metal bulks. Contract awarded Smith-Hardican Co., 1809 Callowhill street, Philadelphia.

Grain Elevator, Twentieth and Pennsylvania avenue, Philadelphia. Architect, S. T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia & Reading Railroad, Reading Terminal, Philadelphia. Reinforced concrete, steel, 160x73x145 feet (foundations



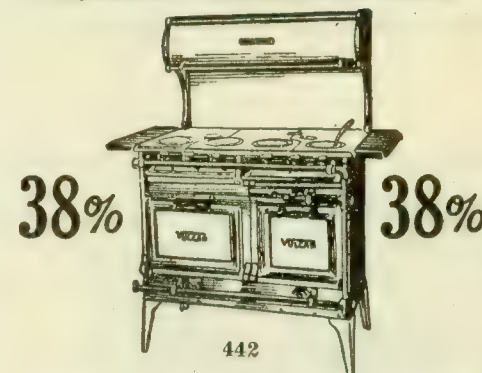
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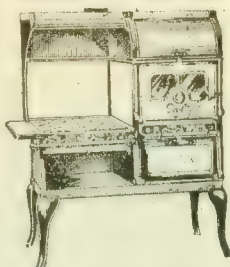
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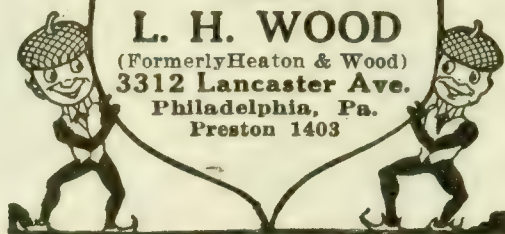
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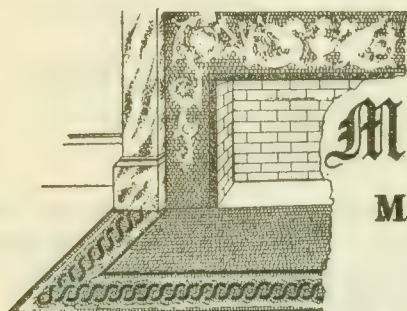
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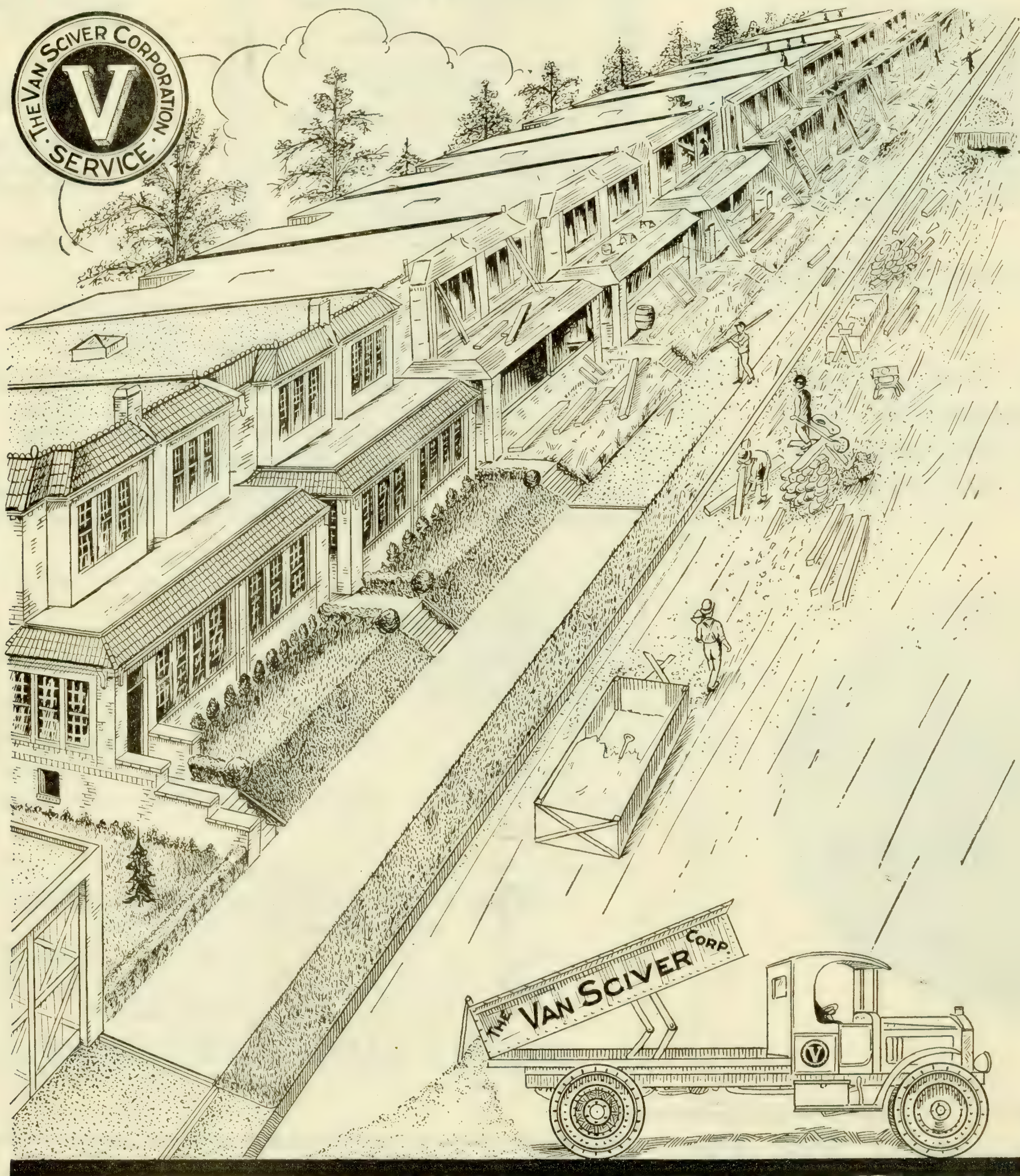
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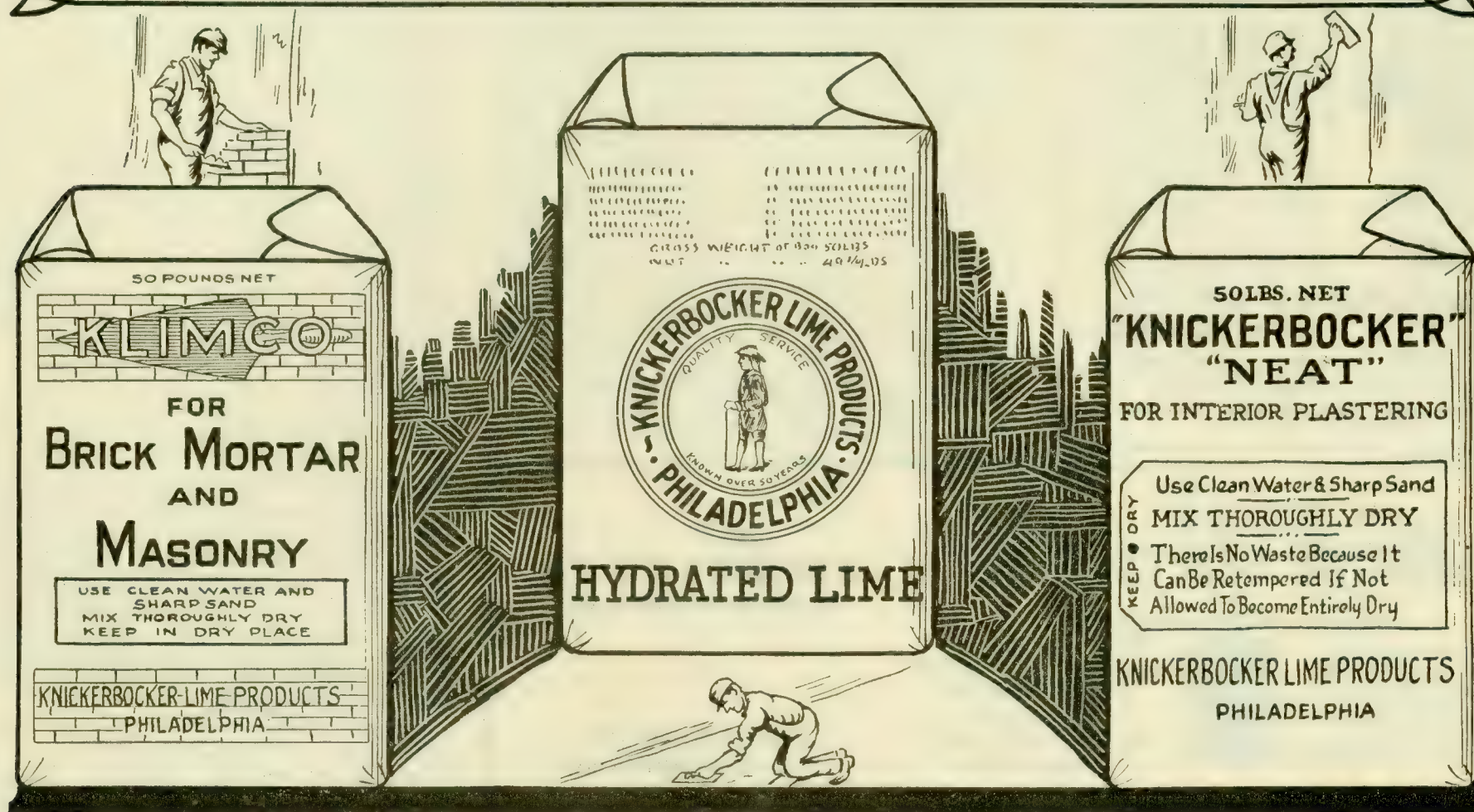
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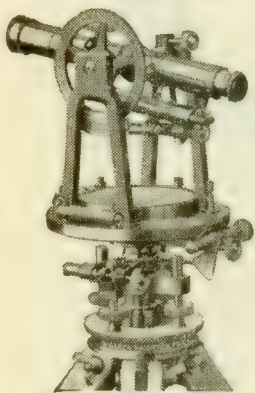
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sash, electric light, cinder concrete block (machinery and equipment will be purchased by owner). Contract awarded Fegles Const. Co., Ltd., Minneapolis, Minn.

Fire Headquarters, Juniper and Race streets, Philadelphia. City architect, John Molitor, Bankers' Trust Building, Philadelphia. Owners, City of Philadelphia, Department of Public Works, City Hall. Contract awarded M. Melody & Son, 1322 Race street, Philadelphia, \$169,000. Electric, Electro Const. Co., Commercial Trust Building, Philadelphia, \$11,400. Plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia. Heating, W. K. Mitchell, 2940 Ellsworth street, Philadelphia, \$11,940.

Club House, Southeast Corner Cambria and Stouton streets, Philadelphia, \$20,000. Architect, Edward Schoeppe, 316 South Fifteenth street, Philadelphia. Owners, Post No. 22, Veterans of Foreign Wars, on premises. Brick, limestone, 1 story, 46x64 feet, slag roof, mineral and cement floors, steam heat, electric light, tile work, tin-clad doors, bond, ornamental iron work. Contract awarded Charles Norman, Hatboro, Pa.

Shop and Office, Tioga street, Wittie and Sepviva, Philadelphia, \$35,000. Engineers, Carson & Carson, 22 South Fifteenth street, Philadelphia. Owners, Cattie Brothers, on premises. Brick, steel, reinforced concrete, 1 story, 60x202 feet (plumbing, heating, electric reserved), Johns Mansville roof, wood block floors, rolled steel sash, shoring, ornamental iron work. Contract awarded Thompson Lockhart Co., 6 South Fortieth street, Philadelphia.

Residence (alts. to Club House), 1622 Locust street, Philadelphia. Architects, Bissell & Sinkler, 1520 Locust street, Philadelphia. Owners, Women's City Club, The Wellington, Philadelphia. General alterations, carpentry and mill work. Contract awarded H. H. Burrell, 206 South Quince street, Philadelphia.

Restaurant (alts.), 712 Chestnut street, Philadelphia. Architect, private plans. Owners, Thompson Spa, on premises. Carpentry and mill work, cement work, cut stone, plastering, iron work, structural steel, composition floors, tile and marble work, steam heat (alts.), electric work (alts.), hardware, elevator, elevator doors, architectural terra cotta, slag roof. Contract awarded J. N. Gill Const. Co., City Center Building, Philadelphia.

Power Plant (add.), 814 North Lawrence street, Philadelphia. Engineer, P. M. Sax,

Penfield Building, Philadelphia. Owners, Sheip & Vandergrift, on premises. Brick, concrete, 1 story, 18x75 feet, slag roof, cement floors, electric light, roof ventilators, rolled steel sash and skylights. Contract awarded George Kessler Const. Co., 1733 North Marvine street, Philadelphia.

Garages (2), 6306-08 Wissahickon avenue, Germantown, Philadelphia. Architect, Addison H. Savery, 1309 Locust street, Philadelphia. Owners, S. Lashof and G. W. Mollenkoff, on premises. Brick, stone and rough cast, 1 story, 18x22 feet, slate and tin roof, cement floors, electric light. Contract awarded to Albert Smith, 723 Green street, Philadelphia.

Manufacturing Building, Torresdale avenue and N street, Philadelphia. Architect, private plans. Owner, Hugh C. Pedley. Lessee, Mack Inter. Motor Truck Co., on premises. Brick, steel, 1 story, 220x200 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash and skylights, fire doors, roof ventilators, ornamental iron work. Contract awarded Nelson Pedley Const. Co., Corn Exchange Building.

Residence and Office (alts. and add.), 338-40 South Smedley street, Philadelphia. Architect an owner, Charles Barton Keen, 338 South Smedley street, Philadelphia. Carpentry and mill work, stair work, iron work, plastering, cut stone, brick work, hardware, tin roof, galvanized iron skylights, painting and glazing (plumbing, heating, electric, tile reserved). Contract awarded A. E. Martin, 1207 Race street, Philadelphia.

Garage (add.), 1265 East Cheltenham avenue, Philadelphia. Architect, private plans. Owner, Jacob Jenny, on premises. Brick, 1 story, 21x42 feet, slag roof, cement floors. Contract awarded Hood & Gross, 1613 Chestnut street, Philadelphia.

General Alts. to Store, Juniper and Chestnut street, Philadelphia. Architect, Frank E. Hahn, Seventh and Chestnut streets, Philadelphia. Owners, Blum Store, on premises. Contract awarded David Lutz Co., Twenty-third and Chestnut streets, Philadelphia.

Residence, Southeast Corner Sixty-fifth avenue and Eleventh street, Philadelphia, \$21,000. Architect, Valentine B. Lee, 6615 North Eleventh street, Philadelphia. Owner, George Fox, 6617 North Thirteenth street, Philadelphia. Stone, 3 stories, 29x44 feet, 20x13 feet, 1 story, 13x21 feet, hot water heat, electric light, tile work, hardwood floors. Contract awarded to E. J. Hunter, Twelfth and Norris streets, Philadelphia.

Factory, Wharton lane and Water street, Philadelphia. Architect, Charles E. Oelschlagger, 1615 Walnut street, Philadelphia. Owners, O'Brien Cooperage Co., on premises. Brick, slow burning, 2 stories and basement, 60x107 feet, slag roof, cement floors, steam heat, electric light, plumbing. Contract awarded F. A. Havens Co., 845 North Nineteenth street, Philadelphia.

Apartment Houses, Wissahickon avenue and School lane, Philadelphia, \$2,500,000. Architect, private plans. Owners, Alden Park Manor Co., care of builder. Reinforced concrete, brick, cast stone, 9 stories, 45x172 feet each, concrete roof, cork floors, hollow tile, elevators, steam heat, electric light metal lath, tile and marble work, rolled steel sash, kalamein doors, iron stairs, dampproofing. Contract awarded Kenneth M. De Vos & Co., Wissahickon avenue and Cheltenham avenue, Philadelphia.

Residence, Northwest Corner Broad and Bainbridge streets, Philadelphia, \$10,000. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, Samuel Cantor, Victory Building, Philadelphia. Brick, 3 stories, 18x58 feet, hardwood floors, hot water heat. Contract awarded S. Yellin & Son, 3125 Montgomery avenue, Philadelphia.

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Apartment (alts. and add.), 107-09 Harvey street, Philadelphia, \$15,000. Architect, private plans. Owner, Edward S. Wilke, on premises. Brick, 1 story add., 14x9 feet, general alterations. Contract awarded to Perry T. McCloskey, 419 West Luray street, Philadelphia.

Residences (2), South side Dearnley avenue, West of Manti street, \$6,000 each. Architect, private plans. Owners, Hansen & Moorhouse, Dearnley Park, Roxboro, Philadelphia. Stone and frame, 2 stories, 19 feet 10 inches x 33 feet 6 inches, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Moorhouse & Eve, Media, Pa.

Residences (2), East side Willington street, South of Frontenac, \$7,600 each. Architect, private plans. Owner, James Morrison, 3233 North Fifth street, Philadelphia. Brick, 2 stories, 30x27 feet, hot water heating, electric lighting, hardwood and pine floors, tile work. Contract awarded to P. E. Goodwin, 111 Huntingdon Pike, Fox Chase, Philadelphia.

Storage (alts.), 1150 Germantown avenue, Philadelphia, \$6,000. Architect, private plans. Owners, Jefferson Ice Co., on premises. Carpentry, mill work, general alterations. Contract awarded to Harry Brocklehurst, 512 West Norris street, Philadelphia.

Garage, 1821 Tioga street, Philadelphia, \$10,500. Architect, private plans. Owner, E. I. Shuttleworth, 3054 Kensington avenue, Philadelphia. Brick, 1 story, irregular shape, slag roof, cement floors. Contract awarded to P. Smithers, 1625 Brill street, Philadelphia.

Store and Storage (alts.), 1809-13 Market street, Philadelphia, \$5,000. Architect, private plans. Owners, Fidelity Storage Co., on premises. General interior alterations and repairs. Contract awarded to H. E. Baton & Co., 1713 Sansom street, Philadelphia.

Residence, Northeast Corner Wissinoming and Fittler streets, Philadelphia, \$17,000. Architect, private plans. Owner, A. Mercer Bidle, Milnor street, Torresdale, Philadelphia. Concrete block, 2 stories, 52x22 feet, 32x10 feet, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to A. K. Freas, Andalusia, Pa.

Moving Picture Theatre, 310-12 West Coulter street, Philadelphia, \$15,000. Architect, private plans. Owner, Jacob Sarashed, 1217 Wingohocking street, Philadelphia. Brick, 1 story, 40x100 feet, slag roof, steam heat, electric light. Contract awarded to William Cumberland, 4927 Rubicam street, Philadelphia.

Factory (add.), Northwest Corner Fifty-fourth and Westminster avenue, Philadelphia, \$10,000. Architect, private plans. Owners, Whilley & Collier, on premises. Brick, 1 story add., 33x94 feet, slag roof, electric work. Contract awarded to W. D. Lukens, North Wales, Pa.

Garage, 4521-25 Lancaster avenue, Philadelphia, \$21,000. Architect, private plans. Owner, Harry C. King, Sixty-fifth and Girard avenue, Philadelphia. Brick, 1 story, 46x226 feet, slag roof, cement floors, electric lighting. Contract awarded to Harry G. Walter, 412 North Fortieth street, Philadelphia.

Store and Residence (alts. and add.), Northeast Corner Eighth and Poplar streets, \$6,000. Architect, private plans. Owner, J. Levin, on premises. Brick, 1 story add., 22x59 feet, second story add., 15x18 feet, carpentry, mill work, general alterations. Contract awarded to H. Krakover, 837 North Forty-first street, Philadelphia.

Garage, 2930-32 West Dauphin street, Philadelphia, \$8,000. Architect, private plans. Owner, M. Burak, care of builders. Brick, 2 stories, 27x64 feet, slag roof, cement floors,

electric work. Contract awarded to Cohen & Shaupkin, 2438 North Napa street, Philadelphia.

Residence, 620 South Fourth street, Philadelphia, \$7,000. Architect, private plans. Owner, Samuel Melonkor, 620 South Fourth street, Philadelphia. Brick, 3 stories, 16x24 feet, 13x10 feet, hot water heat, electric light, hardwood and pine floors, slag roof. Contract awarded to A. P. Luckner, 537 North Thirty-fourth street, Philadelphia.

Residence, North side Rhawn, West of Rowland avenue, Philadelphia, \$8,000. Architect, private plans. Owner, Adolph W. Krieg, 2806 North Ringgold street, Philadelphia. Brick, frame, 2 stories, 22x30 feet, 1 story, 16x10 feet, hot water heat, electric light, hardwood floors, tile work. Contract awarded to C. Day, Holmesburg, Philadelphia.

Residence (add.), 4089 Ford road, Philadelphia, \$7,000. Architect, private plans. Owner, S. Di Vito, on premises. Brick, 1 story, irregular size, hardwood and pine floors, electric work. Contract awarded to N. Brandolin, 1412 South Fifteenth street, Philadelphia.

Residences (2), North side Fry steret, East Shalkop street, \$5,500 each. Architect, private plans. Owner, William H. Goldman, 1727 North Fifty-first street, Philadelphia. Frame, brick, 2 stories, 16x40 feet, 1 story, 8x8 feet, hot water heat, electric light, tile work, hardwood and pine floors. Contract awarded to Louis Wolf, 2352 Sterner street, Philadelphia.

Residence (alts.), 2037 Delancey street, Philadelphia, \$5,400. Architect, private plans. Owner, F. B. A. Linton, 1837 Delancey street, Philadelphia. Carpentry, mill work, painting, general alterations. Contract awarded to John F. Harbeson, Otis Building, Philadelphia.

Building (2) (add.), West side Reese street, North of Pike, \$4,000 total. Architect, private plans. Owner, G. Scilla, 3900 North Reese street, Philadelphia. Brick, 1 story, 33x69 feet, and 1 story, 16x18 feet, slag roof, electric lighting. Contract awarded to G. Scipiana, 3856 North Reese street, Philadelphia.

Garage (add.), 1223 North Sixteenth street, Philadelphia, \$4,000. Architect, private plans. Owner, S. Ruben, Bankers' Trust Building, Philadelphia. Brick, 2 stories add., 26x27 feet, slag roof, electric work, cement. Contract awarded to M. Sklar, 628 Pine street, Philadelphia.

Residences (2), East side Vandyke street, North of Princeton avenue, \$4,000 each. Ar-

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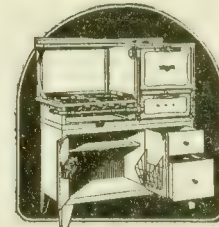


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chitect, private plans. Owner, P. Comatali, Tulip street, North of Friendship street, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to A. Mignone & Son, 7746 Ditman street, Philadelphia.

Rooming House (alts.), 143-45 North Fifteenth street, Philadelphia, \$3,500. Architect, private plans. Owner, Milton Stern, 685 North Broad street, Philadelphia. General alterations, carpentry and mill work. Contract awarded to W. H. Davis, 149 North Fifteenth street, Philadelphia.

Store and Residence (add.), 2216 South Seventh street, Philadelphia, \$3,000. Architect, private plans. Owner, Mr. Fridenberg, 2216 South Seventh street, Philadelphia. Brick, 1 story add., 16x10 feet, slag roof, pine floors. Contract awarded to S. Yellin & Son, 3125 Montgocery avenue.

Store (alts.), Northeast Corner Fifty-sixth and Woodland avenue, Philadelphia, \$2,000. Owner, Robert McCurdy, Overbrook, Pa. General alterations. Contract awarded to H. H. Conway, 5800 Walnut street, Philadelphia.

Residences (6), 543-53 East Gerhard street, Philadelphia, \$4,500 each. Architect, private plans. Owner, C. F. Bezold, Green Lane, Philadelphia. Brick, 2 stories, 15x42 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to William H. Davenport, 342 East Roxboro avenue.

Building (repairs), 520 Arch street, Philadelphia, \$4,000. Architect, private plans. Owner, J. C. Sheild, Fifth and Chestnut streets, Philadelphia. General fire repairs. Contract awarded to H. P. Schneider, 3713 Old York Road.

Greenhouse, North side Sunset avenue, East of Germantown avenue, \$3,500. Architect, private plans. Owner, Samuel Morris, on premises. Iron and glass, 1 story, 23x50 feet. Contract awarded to Sweet Birch Farm, Inc., Kennett Square, Pa.

Residence (add.), 630 Moyamensing avenue, Philadelphia, \$3,000. Architect, private plans. Owner, T. Hoffman, 713 Ritner street, Philadelphia. Brick, second story add., 13x14 feet. Contract awarded to W. Less, 2618 South Sheridan street, Philadelphia.

Residence and Store (add.), 5541 North Fifth street, Philadelphia, \$2,800. Architect, private plans. Owner, E. Herman Moser, on premises. Brick, 1 story add., 15x14 feet, slag roof, pine floors. Contract awarded to W. L. Bushnell & Sons, 1727 Vine street.

Store and Residence (alts. and add.), 1611 North Fifty-second street, Philadelphia, \$2,500. Architect, private plans. Owner, Tillie Fiedsher, on premises. Brick, 1 story add., 16x14 feet, general alterations. Contract awarded to N. Litman, 1591 North Fifty-second street, Philadelphia.

Garage, 8025-27 Montague street, Philadelphia, \$2,500. Architect, private plans. Owner, Edward B. Anderson, Holmesburg, Philadelphia. Brick, 1 story, 16x91 feet 8 inches,

slag roof, cement floors. Contract awarded to William C. Wittman, 3023 Rhawn street, Philadelphia.

Storage (add.), 2701 Monmouth street, Philadelphia, \$2,035. Architect, private plans. Owner, J. Pziyowicz, 2703 Monmouth street, Philadelphia. General alterations and additions. Contract awarded to Star Building & Cement Co., 3013 Richmond street.

Pennsylvania Construction News

Apartment Hotel, Drexel Hill Plaza, Drexel Hill, Pa., \$1,250,000. Architect, R. Beard, 2120 North Lambert street, Philadelphia. Owner, name withheld. Steel, hollow tile, brick, terra cotta, 5 stories, 350 to 400 apartments, concrete roof, steam heat, electric light, tile and marble work, will contain restaurant, etc. Preliminary plans in progress.

Warehouse, Bethlehem, Pa. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem. Owners, Bethlehem Plumbing Supply Co., Bethlehem, Pa. Brick, steel, 2 stories, 130x90 feet. Preliminary plans in progress.

Store and Apartment, Bethlehem, Pa. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owner, James Cassone, Allentown, Pa. Brick, steel, 2 stories, 45x60 feet, slag roof, hardwood floors, hot water heat, electric light, tile work, cinder block, copper work, plate glass, incinerators, refrigerations. Plans in progress.

Residence, Royersford, Pa. Architect, J. V. Poley, 162 Second avenue, Royersford, Pa. Owner, William B. Stafford, Sr., 226 Queen street, Royersford, Pa. Stucco, frame, 2 stories, 28x30 feet, asbestos roof, oak and pine floors (heating, plumbing and electric reserved). Plans in progress.

Residence, Phoenixville, Pa. Architect, J. V. Poley, 162 Second avenue, Royersford, Pa. Owner, Thomas H. Millington, 323 Buchanan street, Phoenixville. Brick, stone, 2 stories, 30x30 feet, asbestos roof, oak and tile floors (heating, plumbing and electric reserved). Plans in progress.

School (alts. and add.), Bloomsburg, Pa. Architects, M. E. Kressley Co., 214 North Third street, Harrisburg, Pa. Owners, Bloomsburg State Normal School, Bloomsburg, Pa. Sketches being prepared. Details later.

Residences (4), (semi-detached), Highland Park, Pa. Architectural engineer, M. M. Boonin, 17 South 17th street, Philadelphia. Owners, Caxis & Malen, 6019 Market street, Philadelphia. Stone, stucco, 2½ stories, 16x40 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Owner taking sub-bids due as soon as possible.

School, Bechtelsville, Berks County, Pa. Engineer, A. J. Biblighaus, 530 Hamilton street, Allentown, Pa. Owners, Boro of Bechtelsville, School Board, S. B. Hummelberg, Secretary, Bechtelsville, Pa. Brick, 1 story, 4 rooms, concrete roof and floors, hot air heat, electric light. Will be ready for bids in one week.

Apartment and Office Building (alts.), Narberth, Pa. Architects, MacKenzie & Wiley, Bankers Trust Building, Philadelphia. Owner, J. E. Merkle, Narberth, Pa. Frame, plaster, 2½ stories, slag roof, general alterations, new 3rd floor. Plans about completed. Architect will take bids in a few days.

Factory, Allentown, Pa. Architect, David

Levy, Allentown, Pa. Owners, S. M. S. Silk Co., Allentown, Pa. Reinforced concrete, 2 stories, 70x122 feet, slag roof, wood floors, freight elevators, fire doors, steel sash, (heating, electric and plumbing, reserved). Architect taking sub-bids.

Library, Allentown, Pa. Architects, Ruhe & Lang, Allentown, Pa. Owners, Muhlenberg College, Allentown, Pa. Fireproof, limestone, terra cotta, 3 stories, 140x70 feet, hardwood floors, elevators, waterproofing, ornamental iron work, iron stairs, electric light, metal lath, tile and marble. Architects will be ready for bids in a few days, (sub-bids).

Stores and Apartments, Bryn Mawr, Pa. Architect, John Charles Norton, Ardmore, Pa. Owners, Ardmore Fruit & Produce Company, Ardmore, Pa. Brick, steel, 2 stories and basement, 70x25 feet, slag roof, oak and pine floors, plumbing, metal ceilings, ornamental iron work, metal bulks, metal lath, tile work, hot water heat, electric light. Architect taking bids due as soon as possible.

Church Holmes, Pa. Architect, Stanley P. Stewart & W. Macy Stanton, 1524 Chestnut street. Owner, Holmes M. E. Church, care of architect. Frame, 2 stories, 35x65 feet, shingle roof, maple floors, electric light. Plans in progress. Will be ready for bids in about 10 days.

Twin Residences and Garages (22), Harding drive, Llanerch Hill. Architects, T. B. Lippincott & C. F. Schaef, 11 South 16th street, Philadelphia. Owners, Tolin Construction Company, 23 South 16th street, Philadelphia. Frame, stucco, 2½ stories, 16x30 feet each, 1 story, 10x18 feet each, hot water heat, electric light, tile work, slag, wood shingle roof, hardwood floors. Owner ready for sub-bids.

Furniture Store, 15-17 West Gay street, West Chester, Pa. Architect, private plans. Owner, Wm. J. Kauffman, 151 West Gay street, West Chester, Pa. Indiana limestone, steel, 2 stories, 32x167 feet, copper front, slag roof, wood floors, hollow tile, elevator, office partition, city heat, electric light, wood sash, skylights, oak floors. Owner taking revised bids due May 9th.

Twin Residences (4 pair), Grandview avenue and Spring road, Ardmore, Pa. Architect and Owner, John Charles Norton, Ardmore, Pa. Stone, Pennsylvania building block, 3 stories, 18x40 feet, shingle roof, hardwood floors, electric light, tile work. Plans completed. Owner ready for sub-bids.

Stores (2) Apartments (12), County line road and Haverford avenue, Bryn Mawr, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, Carmine Pacconelli, on premises. Brick, steel, 3 stories, 54x84 feet, hot water heat, electric light, tile work, slag roof, hardwood and tile floors, metal ceilings, hollow metal skylights and doors, metal bulks. Plans completed. Owner will build and is taking sub-bids.

John Harris High School, Harrisburg, Pa. Architects, Lappley & Hornbostel, Ebner Building, Harrisburg, Pa. Owners, Harrisburg School Board, 121 Chestnut Street, Harrisburg. Owners taking revised bids due May 8th.

Infant Home, Mt. Airy, Pa. Architect, Herman Miller, 1420 Chestnut Street, Philadelphia. Owner, Board of Trustees, Lutheran Orphans' Asylum Home for Aged on premises. Stone, brick, steel, 1 story, 75x44 feet, shingle tiles roof, oak and pine floors, plumbing, painting and glazing, hot water heat, electric light, metal lath, tile work, rolled steel sash ornamental iron work, galvanized steel pipe (National ube Co.) Architects taking bids due May 11th.

Apartments (4), Allentown, Pa. Engineer, A. J. Biblighaus, 530 Hamilton Street, Allentown, Pa. Owner, Charles Herbein, care of

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Engineer. Brick, 2 stories, 63x34 feet, Barret roof, pine floors, vapor vacuum heat, electric light. Engineer taking bids due May 10th.

Freight Car Repair Shop, Reading, Pa. Architect, S. T. Wagner, 12th and Market Sts., Philadelphia. Owner, Philadelphia and Reading Railroad, Twelfth and Arch Streets, Philadelphia. Brick concrete, 1 story, 335x-880 feet, (structural steel, electric mechanical equipment, reserved), asbestos built-up roof, cement floors, rolled steel sash, fire doors, bond, rolled steel shutters. Owners taking bids due May 13th.

Residences and Garages (18), Springfield, Pa. Architect, MacKenzie & Wiley, Bankers' Trust Building, Philadelphia. Owner, George Wilcox, care of Architect.

Brick, stucco, 2½ stories, 39x23 feet, 43x36 feet, tile roof, oak, pine and cement floors, hot water heat, electric light, tile and marble work, plumbing, wrought iron pipe, ornamental iron work, metal casements, flagstone. Architects taking bids due as soon as possible.

Residence and Garage, Manoa Park, Delaware County, Pa. Architect, C. G. Schweiker, 29 Garfield Avenue, Manoa Heights, Del. Co., Pa. Stone, frame stucco, 2½ stories, 27½x26 feet, shingle roof, pine floors, hot water heat, electric light. Owner taking bids.

Apartment House, Bala, Pa. Architect, Ray G. Pratt, Franklin Trust Building, Philadelphia. Owner Apartment Building Co., care of Architect. Brick, concrete, stucco, 3 stories and basement, 92x120 feet, heating, plumbing, dumbwaiters, reserved), slag roof, oak pine floors, elevators, roof ventilators, metal weatherstrip, ornamental iron work, bond, rolled steel skylights, tile work, metal lath, electric light, steel medicine cabinets. Architects taking bids due as soon as possible.

George Morris Philips Memorial Auditorium, West Chester, Pa. Architect, Price and Walton, 119 S. 4th St., Philadelphia. Owner, West Chester State Normal School, West Chester, a. Owner taking bids due May 7th.

Junior and Senior High School, Wayne, Pa. Architect, I. T. Catherine, 1524 Chestnut Street, Philadelphia. Owner, School District of Radnor Township, E. E. Trout, Radnor, Pa. Low Bidders: Charles McCaul Co., 1713 Sansom St., Philadelphia, \$397,000. Electric, E. V. Goldhahn, 4335 Chestnut Street, Philadelphia. Heating, Wayne Plumbing and Heating Co., Wayne, Pa. Plumbing, Mellon Co., 4415 Ludlow Street, Philadelphia.

Supplies, Pennsylvania. Owners, State Highway Department, Harrisburg Pa. Schedule G, Hardware; Schedule H, Lumber and General Supplies; Schedule I, Electrical, Plumbing and Heating Supplies. Owners taking bids due May 12th at noon.

Bank, Kingston, Pa. Architect, Morgan French & Co., 19 W. 44th St., New York City. Owner, Kingston Bank & Trust Co., Kingston, Pa. Brick, granite, limestone, steel, 1 story and mezzanine and basement, 151x56 feet, Barretts specification roof, cement and oak floors, hollow tile, safety treads, roof ventilators, metal window guards, plumbing terra cotta coping, ornamental iron work, iron stairs, bond, brass pipe, kalamein doors, rolled steel sash, tile and marble work, metal lath, steam heat, electric light, ornamental naster, wrought iron pipe, cabinet work, bronze work, vault doors, cork tile floors. Architect taking bids due May 12th.

School, Greensburg, Pa. Architect, M. E. Kressley Co., 214 N. 3rd Street, Harrisburg, Pa. Owners, Greensburg School Board, Mary E. Peoples, Secretary, Greensburg, Pa. Brick, reinforced concrete, hollow tile, granite stone, 3 stories and basement, 145x250 feet, asphalt, composition and tile roof, pine wood block, terrazzo and composition floors, hollow

tile, roof ventilators, water and dampproofing, wire work, ornamental iron work, iron stairs, Bond, fire and kalamein doors, rolled steel skylights, slate work, tile work, metal lath, (heating, ventilating, plumbing and electric work separate bids), swimming pool, gymnasium, steel lockers, exhaust fans, pipe covering, cafeteria. Owners taking bids due May 19th at 6 P. M.

Twin Residences (8), Bloomsburg, Pa. Architect, The Ballinger Co., 12th and Chestnut Streets, Philadelphia. Owner, Magee Carpet Co., Bloomsburg, Pa. Clapboard and stucco, 2½ stories, 16x40 feet, shingle roof, pine floors, pipeless heat, electric light. Architect taking bids due May 14th.

Pennsylvania Contracts Awarded

Department Store, 6th and Hamilton, Allentown, Pa. Architects, Jacoby & Everetts, Allentown, J. G. rugger, 505 Chestnut Street, Philadelphia. Engineers Carson & Carson, 22 South 15th Street, Philadelphia. Owners, Zollinger Harned Company, Allentown, Pa. Reinforced concrete, brick, steel, granite, limestone, stories and basement, 18x60 feet, wing 40x36 feet (plumbing, heating, electric and sprinkler reserved), slag roof, cement floors, hollow tile, elevators, shoring, water and dampproofing, ornamental iron work, bond, fire and kalamein doors, rolled steel skylights, rolled steel sash, tile and marble work, ornamental plaster, steel partitions, bronze work, composition treads, revolving doors. Contract awarded G. A. Hardner, Allentown, Pa.

Boiler House, New Hope, Pa. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Union Mills Paper Manufacturing Company, on premises. Reinforced concrete, brick, steel, 2 stories, 49x42 feet, precast reinforced probast, gypsum tile roof, cement floors, plumbing, waterproofing, salt glazed terra cotta coping, ornamental iron work, bond, hollow metal doors, rolled steel cash. Contract awarded F. B. Davis & Son, 240 North 16th street, Philadelphia.

Residence and Garage, Haverford, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Mrs. Catherine Muckle, care of architect. Brick, steel, 2½ stories, 89x39 feet, garage 27x47 feet, copper roof, oak, pine and cement floors, hot water heat, electric light, tile work, ornamental iron work. Contract awarded F. L. Hoover & Son, 1023 Cherry street, Philadelphia.

Dairy Barn (add.), including Feed Room, Silos, Laurelton, Pa. Architect, Geo. S. Idell, Corn Exchange Building, Philadelphia. Owners, Board of Managers, Dr. M. Wolfe, Laurelton State College, Laurelton, Pa. Concrete block, 2 stories, 13.6x25 feet, silos, (2) 11 feet diameter, electric light, asbestos roof, cement and plank floors, plumbing. Contract awarded Pursley & Mon Neida, Laurelton.

Building, Marshall and Burmont road, Upper Darby Township, Pa. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owner, Edw. M. Cook, Llanerch, Pa. Brick, steel, 2 stories, 85x55 feet, slag roof, cement and pine floors, steam heat, electric light. Contract awarded W. B. Lane, 5209 Chancellor street, Philadelphia.

Factory, Allentown, Pa. Architect, David Levy, 949 Hamilton street, Allentown, Pa. Owners, Avacona Silk Company, Allentown, Pa. Reinforced concrete, 2 stories, 60x170 feet, slag, roof, wood floors, elevators, safety treads, steel sash, vapor heat, electric light. Contract awarded to Ritter & Smith, Allentown, Pa.

Residence, Mount Carmel, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owner, Donald Smith, Mt. Carmel, Pa. Stone, brick, 2 stories, 60x43 feet, tile roof, hardwood floors, vapor heat, electric light, tile work, ornamental iron work. Contract awarded to Wolf & Leshner, Lehighton, Pa.

Residence, Nazareth, Pa., Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owner, Fred Martin, Nazareth, Pa. Brick, 2½ stories, 50x30 feet, slate roof, hardwood floors, hot water heat, electric light, tile work, electric refrigeration. Contract awarded to Flick & Simons, Nazareth, Pa.

Warehouse, Llanerch, Pa. Engineers, Pennsylvania Engineering Company, 1119 North Howard street, Philadelphia. Owners, Western Ice Manufacturing Company, care of Engineer. Concrete, 1 story, 40x60 feet, (electric and refrigerations reserved), slag roof, cement floors, insulation. Contract awarded A. Raymond Raff Contracting Company, 1635 Thompson street.

Residence (alts. and add.), Sheafs Lane, Ft. Washington, Pa. Architects, Rankin Kellogg & Crane, 1805 Walnut street, Philadelphia. Owner, Charles Hunsicker, on premises. Cinder block, cut stone, 2½ stories, 24x18 feet (plumbing, marble work, heating reserved), slate roof, composition and pine floors, electric light, ornamental iron work. Contract awarded H. H. Burrell, 206 South Quince street, Philadelphia.

Residence and Garage, Springfield, Pa. Architect and owners, MacKenzie & Wiley, Bankers Trust Building, Philadelphia. Frame and plaster, 2½ stories, 58x17 feet, wing 15x20 feet, garage 20x24 feet, Spanish tile

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roof, hardwood floors, hot water heat, electric light, tile and marble work. Contract awarded G. P. Gehring, Alden, Pa.

School, Bath, Pa. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem. Owners, Sacred Heart School, Rev. Father Post, Bath, Pa. Brick, 2 stories, 60x70 feet, slag roof, pine floors, electric light, hot water heat. Contract awarded F. B. Glassmire, Bethlehem, Pa.

New Jersey Construction News

Residences (4), 2728-30-32-34 Lincoln avenue, Camden, N. J., \$16,000. Architect, private plans. Owners, Davies Brothers, 901 North Thirty-first street, Camden, N. J. Brick, 2 stories, 16 feet 9 inches x 32 feet, slag roof, hot water heating, electric lighting. Owners will build.

Residences (4), Ventnor, N. J. Architect, Benj. Brown, Guarantee Trust Building, Atlantic City. Owner, name withheld. Hollow tile and stucco, 2½ stories, 50x18 feet, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Residence, Haddon Heights, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owner, J. J. Flynn, Front and Federal streets, Camden, N. J. Brick, cinder block, stucco, 2½ stories, 30x20 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Plans in progress.

Residence, Merchantville, N. J. Architects, Lackey & Hettel, 5 South Hudson avenue, Camden, N. J. Owner, William Lorigan, care of architect. Brick, stucco, timber, 2½ stories, 52x24 feet, 15x20 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Plans in progress.

Stores and Office (alts. and add.), Camden, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, J. D. F. Morgan Company, 7 North 3rd street, Camden, N. J. Brick, 1 story and basement, 60x80 feet, slag roof, maple floors, cinder block, waterproofing, copper work, brass pipe, fire doors, skylights, vapor heat, electric light, tile work. Plans in progress.

Convent, Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owners, St. Joseph's Church, Rev. Czernecki, 10th and Liberty streets, Camden, N. J. Brick, 3 stories, 36x48 feet, slag roof, pine floors, hot water heat, electric light. Architect will take bids in ten days.

Residence (double), Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, J. W. Ford, care of architect. Cinder block, frame, 2½ stories, 32x42 feet, asphalt shingle roof, pine floors, hot air heat, electric light. Owner will build.

Apartments (32), Atlantic City, N. J. Architect, Benjamin Brown, Guarantee Trust Building, Atlantic City. Owner, name withheld. Fireproof, brick, steel, 3 stories and basement, 75x75 feet, slag roof, hardwood floors, water and dampproofing, incinerators, tile and marble, vapor heat, electric light, metal lath. Plans in progress.

Residence, Venice Park, N. J. Architect, W. S. Hewitt, Guarantee Trust Building, Atlantic City, N. J. Owner, Solomon Abramson, Atlantic City, N. J. Cinder block, stucco, 2½ stories, 20x48 feet, asphalt shingle roof, pine floors, hot water heat, electric light, tile work. Owner will build.

Store (alts. and add.), Camden, N. J. Architects, Lackey & Hettel, 5 Hudson Ave., Camden, N. J. Owner, R. R. Stewart, care architects. Stone, brick, 1 story, hardwood floors, electric light, bulk windows, ornamental iron work. Plans in progress.

Rosedale Grade School, Camden, N. J.

Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, Board of Education, Camden, N. J. Brick, cut stone, steel, 3 stories and basement, 159x93 feet, (plumbing, heating, electric separate), slag roof, cement and maple floors, metal lath, tile doors, bond, iron stairs, ornamental iron work, galvanized iron skylights, tin-covered work, metal ceilings, water proofing, damp-proofing, limestone, bluestone, steel, lumber, sangmetal toilet partitions. Bid Bond required, sum of \$5,000. Owners taking bids due May 8th.

City Hall (alts. and add.), Somers Point, N. J. Architect, Bertram Ireland, Guarantee Trust Building Atlantic City. Owners, City of Somers Point, care of City Clerk, Somers Point, N. J. Brick, stucco, 2 stories, 39x29 feet, clay tile roof, hardwood floors, steam heat, electric light, tile and marble. Architect taking bids due May 8th.

School, Park avenue, Woodbury, N. J. Architects, Hill & Gollner, Broad street, Bank Building, Trenton, N. J. Owners, School Board of Depford Township, Gloucester, N. J. Cement block, 1 story, 2 rooms, shingle roof, pine floors, (heating, plumbing and electric, reserved). Owners taking bids due May 11th.

New Jersey Contracts Awarded

Residence, 1701 Park Boulevard, Camden, N. J., \$10,000. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, Dr. J. S. Siris, care of architect. Brick, 2 stories, 30x52 feet, tile or slate roof, hot water heat, electric light, tile work, hardwood and pine floors. Contract awarded to G. J. Ratcliffe, 1130 Haddon avenue, Camden, N. J.

Residence, 2720 North Congress road, Camden, N. J., \$7,500. Architect, C. L. Wenkenbach, Camden, N. J. Owner, Edward A. Kenney, 541 Mt. Vernon street, Camden, N. J. Block, 2 stories, 24x36 feet, slate surface shingle roof, hot water heat, electric light, hardwood and pine floors. Contract awarded Eugene Bruner, 2760 North Congress road, Camden, N. J.

School, Trenton, N. J. Architect, private plans. Owners, Immaculate Conception R. C. Church, Rev. Austin Fox, Trenton, N. J. Brick, 3 stories, 68x90 feet, slag roof, steam heat, electric work. Contract awarded to J. H. Morris & Company, 211 North Montgomery street, Trenton, N. J.

Residences (2), River avenue, Trenton, N. J., \$7,000. Architect, private plans. Owner, Mrs. T. J. Kelley, care of builder. Frame, 2½ stories, 14x42 feet, 10x10 feet, slate roof, pine floors. Contract awarded to Geo. Baunmer, 761 Chambers avenue, Trenton.

Residences (2), Trenton, N. J., \$7,000. Architect, private plans. Owner, J. J. Tracy, care of builder. Frame, 2½ stories, 14x28 feet, slate roof, pine floors, electric work. Contract awarded to W. Johns, 74 Hobart street, Trenton, N. J.

Delaware Construction News

Wagon Shed and Stable, Wilmington, Del. Architect, W. H. Timm, Perry Building, Philadelphia. Owners, Fraim's Dairies, Vandever and Maple streets, Wilmington. Brick, steel, stable, 2 stories, 110x27 feet, shed, 1 story, 110x37 feet, composition roof, cement floors, electric light, rolled steel sash. Owners taking bids due May 8th.

Nurses' Home, Wilmington, Del. Architect,

C. R. Hope, DuPont Building, Wilmington, Del. Owners, Delaware Hospital, Wilmington, Del. Brick, fireproof, 3 stories, 45x120 feet. Plans in progress. Architect will be ready for bids in six weeks.

Apartments (alts. and add.), 910 Madison street, Wilmington, Del., \$10,000. Architect, private plans. Owner, W. Hubert Lynch, 619 West 9th street, Wilmington, Del. Brick, mansard slate, 3 stories, 20x60 feet, slag and tin roof, oak floors, elevators, safety treads, roof ventilators, metal window guards, metal weatherstrip, metal ceilings, water and dampproofing, terra cotta, cast stone, brass pipe, ornamental iron, iron stairs, floor hardener, bulks, bond, kalamein doors, skylights, hot water heat, electric light, metal lath. Owner taking bids.

Elks Home, Wilmington, Del. Architect, Clarence Hope, DuPont Building, Wilmington, Del. Owners, Wilmington Lodge of Elks, Wilmington, care of architect. Brick, steel, 3 stories, 50x90 feet, slag roof, oak floors, hollow tile, elevators, safety treads, roof ventilators, metal lath, tile work, ornamental iron work, iron stairs, (plumbing, heating, electric work, painting, hardware, lighting fixtures, plumbing fixtures separate). Architect taking bids due May 12th.

Road Work, Delaware. Owners, State Highway Department, Dover, Del. Owners taking bids due May 20th until 2 P. M. Deposit of \$10.00 (refunded). Certified check required. Contract C-22, Mermaid-Milltown, 1,353 miles. Excavation, broken stone base course, cement, concrete pavement. Class "A" concrete, reinforcement, 15 inches, 18 inches, 24 inches, 30 inches. R-6, pipe, 4-inch pipe underdrain, class "A" concrete gutter, wire cable guard rail, wood shoulder curb. Contract CK-25, Kenton-Maryland Line, 5,180 miles. Clearing, grubbing, excavation, borrow, broken stone base course, cement concrete pavement, longitudinal metal joint, Class "A" concrete, reinforcement, corrugated metal pipe, 15-inch, 18-inch, 24-inch, 30-inch, R. C. pipe, wire, cable guard rail, wood shoulder curb. Contract CS39, Waples Mill-Brick Granary 5,117 miles. Clearing, grubbing, excavation, borrow, broken stone base course, cement concrete pavement, longitudinal metal joint, class "A" concrete, reinforcement, structural steel, corrugated metal pipe, 15-inch, 18-inch, 24-inch, 30-inch R. C. pipe, wire cable guard, wood shoulder curb, timber piling, B. M. Sheet piling. Contract CS41, Ocean View-Bothany Beach 1,388 miles. Clearing, grubbing, excavation, borrow, broken slag base course, cement concrete pavement, longitudinal metal joint, class "A" concrete, reinforcement, 15-inch, 18-inch and 3-inch R. C. pipe. Contract SC30B, Rehoboth Bridge Superstructure. Rolling Bascule. Structural steel, machinery and castings, cast steel track plates, concrete counterweight, steel hand rail, B. M. flooring, electrical equipment, operator house, steel reinforcement, navigation lights.

Miscellaneous Construction News

Plant (add.), Roanoke, Va. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Viscose Corp. of Virginia, Roanoke, Va. Architects taking bids due May 19th.

Bank Building, Hagerstown, Md. Architects, Simon Brittain & English, 929 Chestnut streets, Philadelphia. Owners, Nicodemus National Bank, E. E. Hillard, President, Hagerstown. Limestone, brick, steel, 1 story and basement, 50x80 feet. Plans in progress.

Reference Directory for Architects, Builders and Owners

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Massiah, Frederick. Juniper and Cypress Sts., Phila.

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COLUMNS (Metal).

Pearce Fireproof Co.1911 N. 2nd St., Phila.

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34 S. 17th St., Phila.

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May 13, 1925

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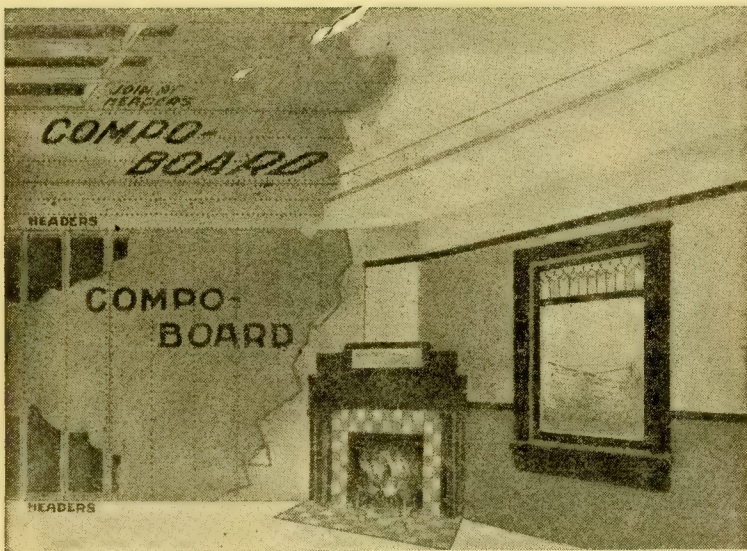
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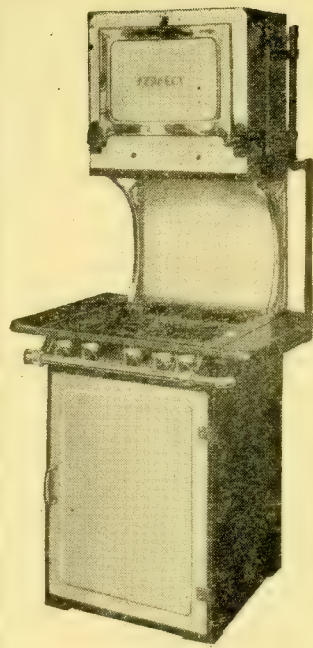
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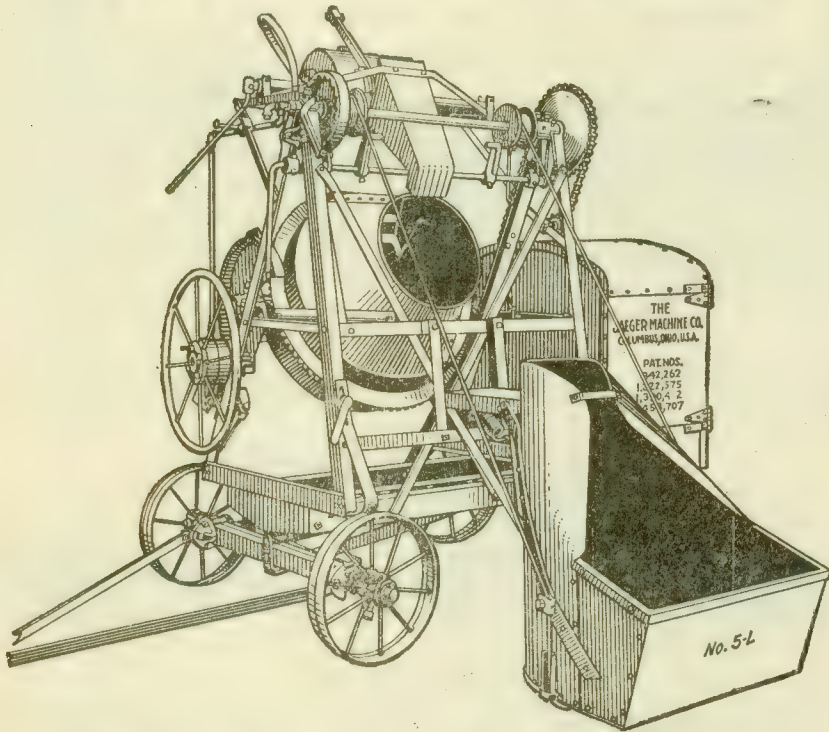
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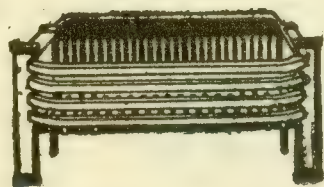
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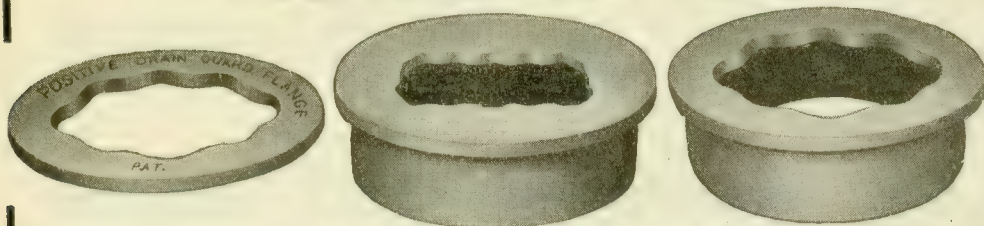
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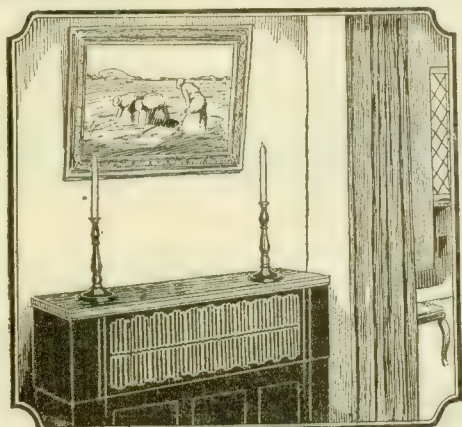
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Engineering and the Building Trades

VOLUME XL
Number 19

PHILADELPHIA
May 13, 1925

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CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED: ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residences (5), West side Tulip street, South of Longshore street, \$4,500 each. Architect, private plans. Owner, H. J. Gelsman, 332 East Roosevelt Boulevard, Philadelphia. Brick, 2 stories, 15x37 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Apartments (alts. and add.), Eighth street and Oak Lane avenue, Philadelphia. Architect, Peter F. Getz, Victory Building, Philadelphia. Owner, name withheld. General alterations, heating and lighting extensions, carpentry and mill work, new floors, cement work, stone work, plastering, plumbing, painting. Plans about completed. Tile and marble work. Architect ready for bids in a few days.

Garage, 512 North Sixty-second street, Philadelphia. Architect, private plans. Owner, E. Keysworth, 6201 West Girard avenue, Philadelphia. Brick, 2 stories, 50x65 feet, steam heat, electric light, slag roof, cement floors. Owners taking bids due as soon as possible.

Residences (40), Woolston, Eastburn and Independence avenue, \$272,000. Architect, private plans. Owner, Joseph B. Eisele, 7265 Limekiln Pike, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (24), 3401-23 and 3400-22 Vista street, \$98,000. Architect, private plans. Owner, Earl E. Swoboda, 5346 Locust street, Philadelphia. Brick, 2 stories, 15x38 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Pavilion, Parkway Plaza, near City Hall, Philadelphia, \$55,000. Architect, Paul Cret, Otis Building, Philadelphia. Owners, City of Philadelphia. Department of Public Property, Bureau of Public Works, City Hall. Rein-

forced concrete, seating capacity, depressed area, 600 persons. Preliminary plans drawn. Work contemplated.

Church (alts.), Roxborough, Philadelphia. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Roxborough Baptist Church, J. Foster Wilcox, 467 Gerhardt street, Philadelphia. Architects taking bids due May 21st, 4.30 P. M.

Church (alts.), Chestnut Hill, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Name Chestnut Hill Baptist Church, Chestnut Hill, Pa. Architects taking bids due May 25th, 4 P. M.

Miscellaneous Supplies, Philadelphia. Owners, Director's Office, Department of Public Safety, 215 City Hall. Owners taking bids due May 25th, 11 A. M. (Standard Time). Specifications may be obtained from Room 616, City Hall. Certified check of 5 per cent. of amount of bid must accompany each bid. 10 W. B. junction boxes, 25 twisted pair paper insulated and lead covered, No. 14 B. & S. gauge telephone cable, 10 cond. No. 14 B. & S. gauge rubber insulated lead covered cable, half and half bar solder, 1/2 and 1-inch galv. malleable iron ells, 1-inch black iron nipples, one-and-one-half-inch black iron closed nipples, 1 1/2 in. to 1-inch black iron pushings, paper sleeves, 15 twisted pair paper insulated and lead covered No. 16 B. & S. gauge telephone cable, high pressure telephone boxes and telephone material, posts for police, fire and water signal boxes.

School (superstructure), Sixty-fourth and Buist avenue, Philadelphia. Architect, Paul A. Monaghan, 1713 Sansom street, Philadelphia. Owners, St. Barnabas' Roman Catholic Church, Rev. J. E. Dougherty, premises. Brick, granite, limestone, 3 stories, 63x143 feet, steam heat, electric light, slate roof, maple

floors. Architect taking bids due May 23rd.

Stores and Apartments, Theatre and Bank, Ogontz avenue, Church lane and Limekiln pike, Philadelphia. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owners, Ogontz & Church Lane Realty Co., care of architect. Brick, steel, stone, terra cotta, 2 and 3 stories, size of lot, one city block. Sketches being drawn. Too early for details.

Store, Residence and Garage, 1617 Mt. Vernon street, Philadelphia. Architect, C. C. Schweiker, 29 Garfield avenue, Manoa Heights, Delaware County, Pa. Owner, Mrs. Harry Finnerty, 1617 Mt. Vernon street, Philadelphia. Brick, 3 stories, 26x25 feet 6 inches, garage, 18x74 feet, slag roof, pine and oak floors, hot water heat, electric light, store (metal ceilings in store), plate glass, copper frames, galvanized iron cornices. Owner taking bids.

Church, Lincoln Drive above Upsal street, Philadelphia, \$250,000. Architect, not yet selected. Owners, Unitarian Congregation of Germantown, Rev. Rogers S. Forbes, 7144 Crefelt street, Philadelphia; Owen B. Jenkins, president of Board of Trustees, Land Title Building, Philadelphia. Work contemplated.

Joel Cooke Elementary School, Manayunk avenue and Green lane, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. General alterations. Work contemplated.

Residence, Sedgwick avenue and Clearview street, Germantown, Philadelphia. Architects, Druckenmiller & Williams, 1537 Chestnut street, Philadelphia. Owner, Edward J. Dorwarth, 3631 North Smedley street, Philadelphia. Stone, 2 1/2 stories, 35x60 feet, slate roof, hardwood floors, electric light, tile and marble work. Plans in progress.

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Residence and Garage, Kennilworth road, Philadelphia. Architects, Talheimer & Weitz, 10 South Eighteenth street, Philadelphia. Owner, name withheld. Stone, 2½ stories, 30x60 feet, hardwood floors, electric light, tile work. Ready for bids in a few days.

Apartment House, Sixty-third and Lebanon avenue, Philadelphia. Architects, T. B. Lippincott and C. F. Shaef, 11 South Sixteenth street, Philadelphia. Owner, William A. Brady, care of architects. Brick, steel, 4 stories, 148x140 feet, 48x90 feet, slag roof, hardwood floors, elevators, laundry and kitchen equipment, door beds (84 efficiency apartments), vapor vacuum heat, electric light, tile work, metal casements, fire tower. Plans in progress.

Kingsessing Branch Post Office, Southeast Corner Fifty-second street, Florence to Paxon street, Philadelphia. Architect, William Lowenthal, 1208 Chestnut street, Philadelphia. Owners, Charles E. Biddle and Joseph M. Baker & Son, 730 South Fifty-second street. Brick, cast stone, 1 story and mezzanine and part basement, 90xirreg., slag and saw tooth roof, maple floors, plumbing, steam heat, electric light, rolled steel sash, steel girders, plumbing, metal ceilings, plate glass. Plans in progress.

Residences (5), Stores (1), Seventieth and Gray's avenue, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owners, Kravitz & Lewis, Land Title Building, Philadelphia. Brick, 2 stories, 16x50 feet, slag roof, pine and hardwood floors, hot water heat, electric light, metal lath, tile work, hollow metal skylights, store fixtures, bond. Plans in progress.

Residences (9) and Garage, Sixty-third and Chestnut streets, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owner, care of architect. Brick, stone, 2 stories, 16x44 feet, slag roof, hardwood floors, hot water heat, electric light, metal lath, tile and marble work, hollow metal skylights, bond, ornamental iron work. Plans in progress.

Residence and Garage, Fifty-first and Wynnefield avenue, Philadelphia. Architect, William L. Charr, Victory Building. Owner, M. Zussman, Southwest Corner Fifty-first and Poplar streets, Philadelphia. Brick, stucco, 2½ stories, 46x44 feet, slate roof, hardwood and maple floors, vapor heat, electric light, metal lath, tile and marble work, oil burning system, metal weather strips, bond, ornamental iron work. Owner building.

Residences (26), Forty-eighth and Osage avenue, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Herman, Bobb & Pepper, Forty-eighth and Sansom streets, Philadelphia. Brick, 2 stories, 16x56 feet, hot water heat, electric light, metal lath, tile and marble work, slag

and Spanish tile roof, hardwood floors, cement work, garages in basement. Owners taking sub-bids.

Residence and Garage, Gorgas lane and Crittenden street, Stenton, Pa. Architect, J. L. Connaroe, 225 South Sydenham St., Philadelphia. Owner, Samuel F. Hazton, care of architect. Brick, steel, stucco, cast stone, limestone, 2½ stories, 44x28 feet (plumbing, electric reserved), variegated slate roof, oak and pine floors, electric light, metal lath, tile and marble work, ornamental iron work. Architect taking bids due May 20th.

Residence and Garage, Fifty-sixth and Vine streets, Philadelphia. Architect, private plans. Owner, Mrs. F. V. Hoxter, on premises. Brick, concrete, steel, 2 stories (plumbing, heating reserved), electric light, slag roof, cement and rubber tile floors, painting and glazing. Owner taking bids due May 14th.

Residence (add.), 414 South Forty-ninth street, Philadelphia. Architect, M. M. Boonin, 17 South Seventeenth street, Philadelphia. Owner, David Greenberg, 218 South Fifty-second street, Philadelphia. Brick, stucco, 2 stories, 15x16 feet, slag roof, oak floors, electric refrigerator, tile work, heating extension, electric light. Owner taking bids.

Store (alts.), 3900 North Fifth street, Philadelphia. Architect, A. H. Mueller, 901 Walnut street, Philadelphia. Owner, William Schwarzman, on premises. Brick, 1 story, 16x30 feet, slag roof, pine floors, gas radiation heat, metal ceilings, plate glass, galvanized iron work. Owner taking bids.

Office Building, Penrose Point and Girard Point, Philadelphia. Architect, Edward B. Lee, 1210 Chamber of Commerce Building, Pittsburgh, Pa. Owners, Gulf Refining Co., Widener Building, Philadelphia. Brick, cut stone, limestone, 1 story, 137x37 feet, composition, Barrett's Specification roof, hollow tile, painting and glazing, roof ventilators, metal weather strips, steam heat, electric light, metal lath, tile and marble work, ornamental iron work, wood pile foundations, plumbing, wrought iron pipe. Architect taking bids.

Bank (alts. to Mezzanine Floor), Northeast Corner Thirteenth and Market streets, Philadelphia. Architect, Edgar V. Seeler, Franklin National Bank Building, Philadelphia. Owners, Colonial Trust Co., on premises. Concrete and cement work, ornamental iron work, carpentry and mill work, ornamental plastering, steel work. Architect taking bids due as soon as possible.

Store, Show Room and Warehouse (alts. and add.), 606 South Ninth street, Philadelphia. Architect, Henry Coscia, 1611 South Fifteenth street, Philadelphia. Owners, Tripoli Barber Supply Co., 606 South Ninth street, Philadelphia. Brick, 3 and 4 stories, 23x108 feet, vapor heat, electric light, tile

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Building, 1522-24 Fairmount avenue, Philadelphia. Architect, private plans. Owners, Alemite Lubricator Co., 1523 Fairmount avenue, Philadelphia. Brick, steel, granite, 2 stories and basement, 123x36 feet, slag roof, cement and pine floors, plumbing steam heat, electric light, metal lath, rolled steel sash, metal bulks, plate glass, wrought iron pipe. Owners taking bids due May 16th.

Occupational Therapy Building, Thirty-sixth and Spruce streets, Philadelphia. Architect, Ralph L. Colton, 225 South Sydenham street, Philadelphia. Owners, University of Pennsylvania, Thirty-fourth and Spruce streets, Philadelphia. Architect taking bids due as soon as possible.

Sewers, Philadelphia. Owners, Department of Public Works, Bureau of Engineers, 216 City Hall. Branch and main sewers, Erie, Tioga and Tulip streets. Certified check for 5 per cent. of amount of bid. Inquire Room 416. Owners taking bids due May 19th, 11 A. M. (Standard Time).

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of City Property. City architect, J. Molitor, 1315 Walnut street, Philadelphia. (Items 1 to 6.) Item 1—Comfort station, Wissinoming Playground. Item 2—Plumbing. Item 3—Electric. Item 4—Second Street Market. Item 5—Plumbing. Item 6—Fire house (alts.), Callowhill and Uber streets, Philadelphia. Item 7—Alterations and improvement to offices of Bureau of Revision of Taxes, City Hall. Item 8—Improvement of plot C and Loney streets, Oxford avenue, Thirty-fifth Ward, by erection of guard house. Item 9—Laying or repaving, neuchatel or asphalt pavement, concrete pavements with granolithic and brush pebble finish, concrete coping and curbs for year 1925. Item 11—Demolition of buildings, Juniper between Filbert and Commerce, and on Filbert and Commerce 175 feet eastward. Plans for Item 7, 8, 9, 11 may be obtained from Room 117, City Hall. Owners taking bids due May 20th, 11 A. M. (Standard Time).

Apartment (alts. and add.), 305-07 South Fortieth street, Philadelphia, \$20,000. Owners, Smauel Elgart, et al., 5230 Parkside avenue, Philadelphia. Brick, 3 stories add., -0x52 feet, 34x40 feet, slag roof, hardwood and pine floors, heating extension, electric light, general alterations. Owner will build.

Residences (2), 3570-72 Janney street, Philadelphia, \$2,000 each. Architect, private plans. Owner, Joseph McKinney, 3626 Weikel street, Philadelphia. Brick, 1 story, 14x40 feet pine floors. Owner will build.

Schools (2), Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street,

Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Low bidders: Chew and Upsal Street School—M. Melody & Son, 1322 Race street, Philadelphia, \$398,900; William Langhorne, 10 South Eighteenth street, Philadelphia, \$399,463; plumbing, D. J. Keating, 2042 Rittenhouse street, \$17,620; electric, Walker-Kepler, 531 Chestnut street, \$17,983; heating, D. J. Keating, 2042 Rittenhouse street, \$46,000; ventilating, J. R. Donoghue, 2312 South Lee street, Philadelphia, \$1,669. Vaughan School, Marlborough and Thompson streets, Philadelphia—Mitchell Brothers, 2125 Race street, Philadelphia, \$15,449; William Langhorne, 10 South Eighteenth street, Philadelphia, \$11,683; plumbing, Bulman Brothers, Fifth and Cumberland streets, \$4,886; heating, L. J. Somers, 2436 Brown street, Philadelphia, \$420.

Miscellaneous Schools, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Low bidders: School No. 117, electric, Enterprise Elec. Co., 239 South Tenth street, Philadelphia, \$705. No. 118, electric, Walker-Kepler, 531 Chestnut street, \$792. No. 119, electric, Ross Elec. Co., 106 Fairmount avenue, \$1,219. No. 120, electric, E. V. Goldhahn, 4335 Chestnut street, \$1,578. No. 142, painting, J. W. Murphy, 531 Walnut Lane, \$18,798. No. 113, general, Mitchell Brothers, 2125 Race street, \$1,696.

Residences (13), Thirty-third and Reed streets, Philadelphia, \$56,600. Architect, private plans. Owner, Louis Cohen, 1904 North Twelfth street, Philadelphia. Brick, 2 stories, various sizes, slag roof, pine floors, hot water heat, electric light. Owner will build.

Garage, South side Harrison street, East of Tackawanna street, \$30,000. Architect, private plans. Owner, M. Yaskin, 5934 Baltimore avenue, Philadelphia. Brick, 1 story, 40x220x57 feet, slag roof, cement floors, electric light. Owner will build.

Residence, Store and Garage (1), Residences (26), Faunce and Edmund streets, Philadelphia, \$130,300. Owner, Thomas J. Kelly, 2028 Sixty-sixth avenue, Philadelphia. Brick, 2 stories, (1) 15x35 feet, (26) 15x24 feet, 12x10 feet, hot water heat, electric light, hardwood and pine floors, electric light. Owner will build.

Apartment Houses (2), West side Wayne avenue, North of Tulpehocken street, \$62,500 each. Architect, Sol. Kaplan, 10 South Eighteenth street, Philadelphia. Owner, L. Benjamin Raidman, 901 Fox Building, Philadelphia. Brick, 4 stories, 44x93 feet, slag roof, hardwood and pine floors, vapor heat, electric light, tile work. Owner will build.

Residences (18), Pratt and Horrocks streets, Philadelphia, \$103,500. Architect, pri-

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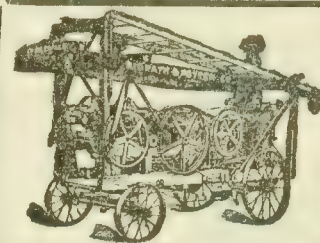
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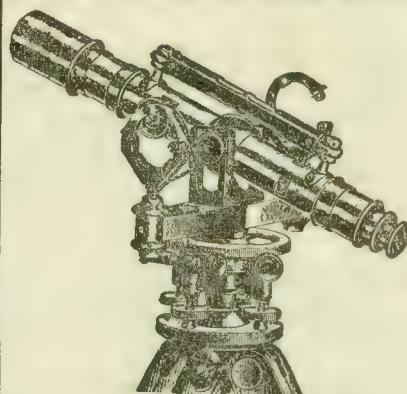
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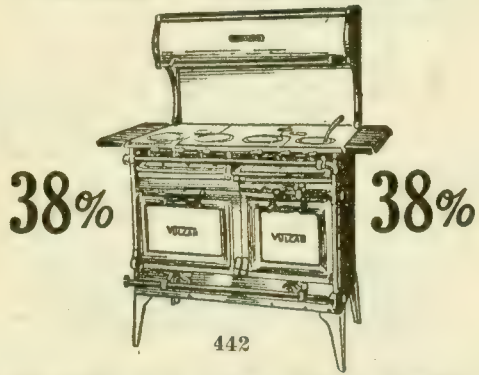
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vate plans. Owners, George R. Osborne & Son, 5014 Saul street, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residences (29), 5201-57 Whitaker avenue, Philadelphia, \$177,000. Architect, private plans. Owner, L. W. Goodman, Drexel Hill, Pa. Brick, 2 stories, 16x42 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (38), West side Twentieth street, Conlyn to Thorps lane, \$153,000. Architect, private plans. Owner, Philip Robin, 4745 North Twelfth street, Philadelphia. Brick, 2 stories, 14x36 feet, slag roof, hot water heat, electric light, pine floors. Owner will build.

Residences (3), Lawnton and Hermitage streets, Philadelphia, \$21,500 total. Architect, private plans. Owner, Max Meitner, Green Lane and Manayunk avenue, Philadelphia. Brick and frame, 2 stories, 20x35 feet, hardwood and pine floors, tile work, hot water heat, electric light. Owner will build.

Manufacturing Building, Southeast Corner Forty-fifth and Woodland avenue, \$28,000. Architect, private plans. Owner, D. Henwood, on premises. Brick, 2 stories, 38x99x63 feet, slag roof, steam heat, electric light. Owner will build.

Garage, Southwest Corner Richmond and Marlborough streets, \$6,000. Owner, Samuel Knee, 135 South Forty-ninth street, Philadelphia. Brick, 1 story, 52x39 feet, slag roof, cement floors, electric lighting. Owner will build.

Residences (2), East side Glenlock street, North of Princeton street, \$5,000 each. Architect, private plans. Owner, O. H. Thompson, 3123 Tyson street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, pine floors, oak floors, hot water heat, electric light. Owner will build.

Residence, South side Loney street, East of Frontenac street, \$5,000. Architect, private plans. Owner, C. E. Ames, 6420 Lawn-dale avenue, Philadelphia. Frame, 2 stories, 24x30 feet, 9x9 feet, shingle roof, hardwood and pine floors, pipeless heat, electric light. Owner will build.

Garage, West side Verbena street, South of Sixty-ninth avenue, Philadelphia, \$5,000. Architect, private plans. Owner, M. W. Dougherty, 1614 Ruscomb street, Philadelphia. Stone, 1 story, 36x67 feet, slate roof, cement floors, electric light. Owner will build.

Garage, East side Ninth street, South of Sixty-ninth avenue, Philadelphia, \$4,000. Architect, private plans. Owner, M. W. Dougherty, 1614 Ruscomb street, Philadelphia.

Stone, 1 story, 36x45 feet, slate roof, cement floors, electric light. Owner will build.

Garage, North side Windrim avenue, West of Thirteenth street, Philadelphia, \$90,000. Architect, private plans. Owner, A. Leibowitz, 4045 Baltimore avenue, Philadelphia. Brick, 2 stories, 180x100 feet, slag roof, cement floors, electric light. Owner will build.

Residences (27), Sheldon, Wister and Rubicam streets, \$5,000 each. Architect, private plans. Owner, Francis Stabler, 1218 Packard Building, Philadelphia. Brick, 2 stories, 16x31 feet 11x8 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Apartment (add.), 8044 Germantown avenue, Philadelphia, \$10,000. Architect, private plans. Owner, Carl D'Lauro, on premises. Brick, 2 stories add., 16x16 feet, 1 story add., 14x15 feet, slag roof, hardwood and pine floors, electric work. Owner will build.

Residences (6), West side Cresheim road, North of Carpenter lane, \$16,000 each. Architect, private plans. Owner, Alex. Stein, 901 Walnut street, Philadelphia. Brick, 2 stories, 16x77 feet, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Residences (19), 3126-40 North Natrona street and 3224-44 Allegheny avenue, Philadelphia, \$5,000 each. Owner, Morris L. Miller, Thirty-second and Allegheny avenue, Philadelphia. Brick, 2 stories, 15x26 feet, 10x10 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residence, 6140 North Twentieth street, Philadelphia, \$6,000. Architect, private plans. Owner, S. Vermachin, 6141 North Woodstock street, Philadelphia. Brick, 2 stories, 18x42 feet, hot water heat, electric light, hardwood and pine floors. Owner will build.

Residences (42), West side Montague street, South of St. Vincent street, \$160,000. Architect, private plans. Owner, Albert Steinaecker, 5602 North Camac street, Philadelphia. Brick, 2 stories, (1) 16x38 feet, (41) 14x28 feet, 12x10 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (14), North side Tyson street, West of Frankford avenue, \$5,000 each. Architect, private plans. Owner, John G. Stevenson, 7014 Hegerman street, Philadelphia. Brick, 2 stories, 16x16 feet, 18x26 feet, slag roof, hardwood and pine floors, electric light, hot water heat. Owner will build.

Residences (3), (2) Cottman street and Dungan road, and (1) Cottman street and Northumberland street, Philadelphia, \$6,500 each. Owner, Henry Kuhn, 1223 Cottman street, Philadelphia. Brick, 2 stories, 16x58

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feet, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (4), East side Eighth street, North of Bristol street, \$4,500 each. Architect, private plans. Owner, Wilbur F. Chapman, 1805 West Venango street, Philadelphia. Brick, 2 stories, 15x38 feet, slag roof, hot water heat, electric light, hardwood and pine floors. Owner will build.

Residences (2), North side Harley avenue, West of Eighty-sixth street, \$3,000 each. Architect, private plans. Owner, Joseph Becker, 8601 Eastwick avenue, Philadelphia. Brick, 2 stories, 14x30 feet, slag roof, pine floors, hot air heat, electric light. Owner will build.

Apartment (alts.), 647 North Forty-fourth street, Philadelphia, \$3,000. Owner, M. Kanefsky, 1706 North Ruscomb street, Philadelphia. General alterations. Owner will build.

Garage, East side Torresdale avenue, South of Orthodox street, \$2,500. Architect, private plans. Owner, C. Lashowica, 4655 Torresdale avenue, Philadelphia. Brick, 1 story, 65x18 feet, slag roof, cement floors, electric light. Owner will build.

Garage, 4913-17 North Sixth street, Philadelphia, \$2,500. Architect, private plans. Owner, Karl Moruner, on premises. Brick, 1 story, 49x18 feet, slag roof, cement floors, electric lighting. Owner will build.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Surveys, Philadelphia. Low bidders: Branch Sewers, Schedule A—Balfour street, Venango street to Victoria, Robert R. Ryan, Lincoln Building, Philadelphia, \$3,436.40. Bleight street, Torresdale to Ditman, A. Di Sandro & Son, 3906 North Fifth street, Philadelphia, \$6,510. Cadwallader street, Second to Thompson street, A. Perna & Son, 752 South Tenth street, Philadelphia, \$4,304.50. Cedar Park avenue, Andrews avenue to Middleton street, N. Cassetti, care of owners, \$6,144. Cheltenham avenue, Roosevelt Boulevard to Oakland, Vare Constr. Co., 1120 Race street, Philadelphia, \$21,140. Coleman, Fifty-eighth to Fifty-ninth street, J. J. McHugh, 1617 Race street, Philadelphia, \$9,330.50. Cottage street, Howell street to Comly street, A. Cassetti, care of owners, \$4,419.50. Crittenden street, Phil-Ellena to Vernon road, A. Franzi, 513

High street, Philadelphia, \$8,816.75. Erie avenue, "B" to Front, E. Pasenzzi, care of owners, \$13,895. Frankford avenue, Longshore to Princeton avenue, F. Ventresco, 6325 Chew street, Philadelphia, \$14,192.08. Hunting Park avenue, Allegheny avenue to Napa street, Battiero & Posterello, care of owners, \$8,000.05. Jackson street, Howell street to Comly street, J. J. McHugh, 1617 Race street, Philadelphia, \$4,189.28. Mermaid lane, Germantown avenue to Ardleigh street, O'Neill Co., 127 East Mermaid street, Philadelphia, \$29,245. "N" street, Torresdale avenue to Luzerne street, Battiero & Posterello, care of owner, \$3,452.25. Princeton street, Walker to Gillespie street, A. Cassetti, care of owner, \$5,882.50. Rutland street Harrison street to Wakeling street, Hugh A. Hamilton, 3314 Waterloo street, Philadelphia, \$5,140.50. Ryan avenue, Frankford avenue to Leon street, A. Di Sandro & Son, 3906 North Fifth street, Philadelphia, \$5,510.60. Sedgely avenue, Kensington avenue to Frankford avenue, Battiero & Posterello, care of owner, \$14,632.55. Torresdale avenue, "L" street to "S" street, Battiero & Posterello, care of owners, \$19,064.30. Twentieth street, Andrews avenue to Middleton street, Hugh A. Hamilton, 3314 Waterloo street, Philadelphia, \$6,993.25. Wake-ling street, Rutland street to Large street, Hugh A. Hamilton, 3314 Waterloo street, Philadelphia, \$2,777.50. Wayne avenue, Sedgewick street to Carpenter street, E. F. Bennis, 5648 Chew street, Philadelphia, \$6,985.80. Schedule B—Main Sewers—Castor avenue and Comly street O'Neill Co., 127 East Mermaid lane, Philadelphia, \$142,820.70. Magee street and Summerdale avenue, Vare Const. Co., 1120 Race street, Philadelphia, \$70,116.35. Summerdale avenue, Sanger street to Cheltenham, Robert R. Ryan, Lincoln Building, Philadelphia, \$16,514.

Church, Third and Tabor road, Philadelphia. Architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owners, Olney Presbyterian Church, on premises. Stone, limestone, cut stone, 1 story, 105x55 feet (electric, plumbing, heating, pews, hardware reserved), green slate and slag roof, maple floors, painting and glazing, bond, ornamental iron work, bluestone. Architect taking bids due May 14th.

tile, elevator, dampproofing, bond, galvanized iron skylights, rolled steel sash, metal, electric light, steam heat, caen stone, metal corner beads, galvanized iron pipe, plumbing, sprinkler system, metal casements, steel sash, ventilation system. Contract awarded Evans Steele, 2217 Chestnut street, Philadelphia.

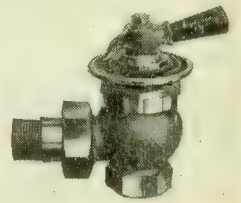
Apartment House, Northwest Corner Seventeenth and Locust streets, Philadelphia. Architect, Frank E. Hahn, Seventh and Chestnut streets, Philadelphia. Owners, Corporation, care of Greenfield & Taube, Fox Building, Philadelphia. Stone, brick, reinforced concrete, terra cotta, limestone, 18 stories, 100x175 feet, slag roof, hardwood and pine floors, tile and marble work, steam heat, electric light, elevators, ornamental iron work. Contractors, Barras Const. Co., 366 Madison avenue, New York City, taking sub-bids due May 14th.

Store and Apartments (alts.), 1607 Pine street, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, Mrs. A. Reed, care of architect. Brick, 3 stories, alts. into stores and apartments, carpentry, mill work, plumbing, painting and glazing, electric work. Contract awarded Charles H. Booker, 2257 North Uber street, Philadelphia.

Ice Service Station, Longshore and Jackson streets, Tacony, Pa. Architect, private plans. Owners, American Ice Co., 121 North Broad street, Philadelphia. Brick, art stone coping, 1 story, 32x36 feet, slag roof, pine and cement floors, plumbing, roof ventilators, galvanized iron pipes, nicked brass pipes. Con-

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Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residences (2), 719-21 North Thirty-sixth street, Philadelphia, \$4,500 each. Architect, private plans. Owner, Mary Catler, 1925 North Thirty-second street, Philadelphia. Brick, 2 stories, 14x30 feet, 12x10 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Harry Harad, 4942 C street, Philadelphia.

Manufacturing Building, North side Westmoreland street, East of Richmond street, Philadelphia, \$4,200. Architect, private plans. Owners, United Oxygene Mfg. Co., on premises. Brick, 1 story add., 38x36 feet, slag roof, electric work. Contract awarded to H. E. Baton, 1713 Sansom street, Philadelphia.

Work Shop, 7126 Yocum street, Philadelphia, \$6,000. Architect, private plans. Owner, Mary H. Murphy, 218 South Forty-third street, Philadelphia. Brick, 2 stories, 32x84 feet, slag roof, pine floors. Contract awarded to W. J. Murphy, Jr., 600 North Twenty-first street, Philadelphia.

Store (alts. and add.), Ninth and Buttonwood streets, Philadelphia. Architect, private plans. Owners, Benjamin Loan Co., on prem-

ises. New front metal bulks. Contract awarded F. Eigenbauer, 5207 North Marshall street, Philadelphia, who is taking sub-bids.

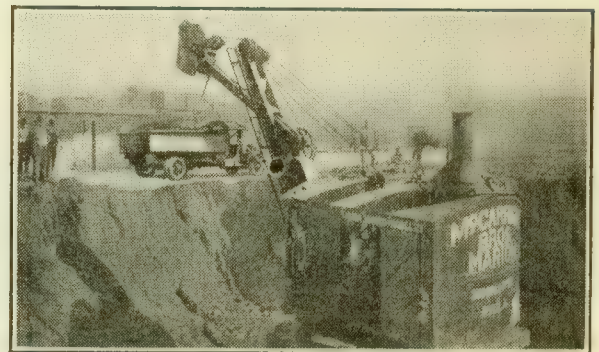
Warehouse, Fortieth and Walnut streets, Philadelphia. Architect, George S. Kingsley, 1452 Broadway, New York City. Owners, Atlas Storage Co., W. E. Sweeting, Thirty-seventh and Market streets, Philadelphia. Reinforced concrete, brick, 8 stories and basement, 220x60 feet, slag roof, cement floors, hollow

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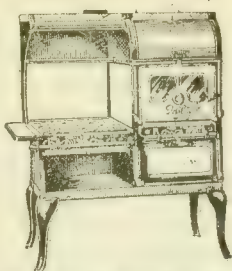
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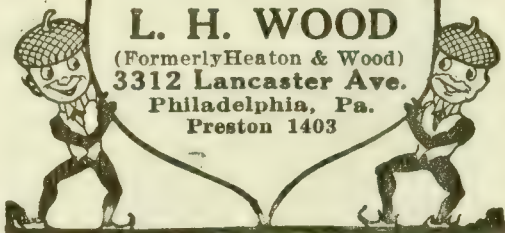
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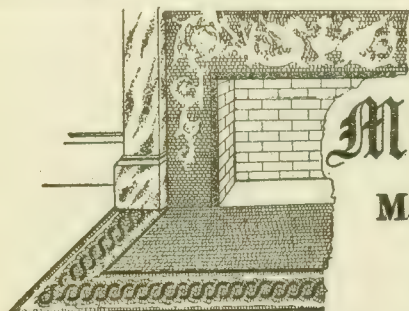
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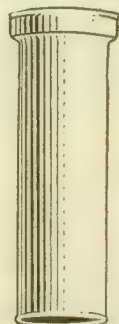
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tract awarded Curtis Grindrod Co., 10 South Eighteenth street, Philadelphia.

Bakery (add.), 2801 Hunting Park avenue, Philadelphia. Architect, private plans. Owners, Tasty Baking Company on premises. Reinforced concrete, brick, 5 stories and basement. 60x60 feet, slag roof, cement floors, elevators, plumbing, steam heat, electric light, fire doors, wrought iron pipe. Rylittle floors. Contract awarded Turner Construction Company, 1713 Sansom street, Philadelphia.

Church, Price and Ardleigh streets, Germantown, Philadelphia. Architect, Paul Monaghan, 1713 Sansom street, Philadelphia. Owners, Immaculate Conception Parish, Rev. J. M. Higgins, on premises. Stone, cut stone, brick, steel, 1½ stories, 18x75 feet, Vermont State slag roof, oak floors, hollow tile, safety treads, waterproofing architectural terra cotta, bond, rolled steel sash, tile and marble work, metal lath, electric light, steam heat, cast stone, granite, limestone, toilet accessories, wrought iron pipe. Contract awarded Doyle Company 1517 Sansom street, Philadelphia.

Residence, Chestnut Hill, Pa. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owner, E. H. Finletter, Chestnut Hill, Pa. Stone, 2½ stories, 20x43 feet, wing 23x18 feet, shingle roof, oak and pine floors, hot water heat, electric light, tile work, ornamental iron work. Contract awarded W. J. Gruhler, 219 High street, Philadelphia.

Boiler House and Still Building (alts.), Bigler street, Philadelphia. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owners, Publicker Commercial Alcohol Company, on premises. Brick, steel. Contract awarded Geo. Kessler Contracting Company, 1733 N. Marvine St., Philadelphia.

Church, 22nd and Bolton street, Philadelphia. Architect, private plans. Owner, Miller Memorial Church on premises. Stone, 1½ stories, 50x100 feet, steam heat, electric light, slate roof, pine floors. Contract awarded Jos. F. Trent, 19th and Addison streets, Philadelphia.

Residences (26), South side Chelwynde avenue West of Bealy street. Architect, private plans. \$99,300. Owners, Schwartz & Booker, 4825 North Lawrence street, Philadelphia. Brick, 2 stories, 16x36 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to P. Schneitzer, 241 South 58th street, Philadelphia.

Lodge Building, N. E. Corner 7th and Pine streets, Philadelphia. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Owners, Boslover Beneficial Association, I. J. Stern, 417 Pine street, Philadelphia. Stone, steel, brick, 3 stories and basement (heating, plumbing, reserved), maple and hardwood

floors, 4 ply slate roof, tile and marble work, metal window guards, metal ceilings, ornamental iron work, bond, kalamein doors, floor hardner, metal lath, electric work. Contract awarded Morris Yachnitz, 4544 North Warnock street, Philadelphia.

Residence, North side 66th avenue, West of 12th street, Philadelphia, \$17,000. Architect, private plans. Owner, Maurice Crown, 1506 Callowhill street, Philadelphia. Stone, 3 stories, 37x24 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to A. V. Turner, Cheltenham avenue and Fairhill street.

Residences (3) Frankford avenue and Filer street, Philadelphia, \$14,000 total. Architect private, plans. Owner, G. F. Aubrey, 305 East Church lane, Philadelphia. Frame, (1) 3 stories, 32x23 feet, and 2 stories 11x8 feet; (2) 2 stories, 18x29 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to Seely & Lightfoot, 1504 Locust street, Philadelphia.

Residence, 6800 Ridge avenue, Philadelphia, \$7,300. Architect, private plans. Owner, S. Wolpert, on premises. Brick, 2 stories, 16x60 feet, slag roof, hardwood and pine floors, electric light, tile work. Contract awarded to E. Mestichella, 705 Drexel Building, Philadelphia.

Bank (alts.), South West Corner 7th and Walnut streets, Philadelphia, \$8,000. Architects, Mellor, Meigs & Howe, 205 South Juniper street, Philadelphia. Owners, Philadelphia Saving Fund, on premises. General alterations. Contract awarded to Geo. A. Fuller Co., Morris Building, Philadelphia.

Residence, South East Corner Magee and Hasbrook streets, Philadelphia, \$8,200. Architect, private plans. Owner, Charles Solly, Lawndale, Philadelphia. Frame, 2 stories, 26x28 feet, shingle roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Harold Stout, Lawndale, Philadelphia.

Residences (30), 5th street and 65th avenue, Philadelphia, \$194,000. Architect, private plans. Owner, George Felt, North East Corner 5th and Chew streets, Philadelphia. Brick, (2) 3 stories, 20x60 feet; (28) 2 stories, 16x31 feet—12x13 feet; slag roof, hardwood and pine floors, hot water heat, electric work. Contract awarded to Chas. R. Davis & Son, 5621 N. 5th street, Philadelphia.

Residences (6), Ryers and Rhawn streets, Philadelphia, \$4000 each. Architect, private plans. Owners, Corbett & Ketchen, 833 Fanshawe street, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Aug. Salevsky, 1415 Bleigh street, Philadelphia.

Residences (2), 101-03 Midvale avenue, Philadelphia, \$21,600. Architect, private plans. Owner, Leroy Roberts, on premises. Brick, 3 stories, 15x33 feet—12x35 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to H. A. Hopple, Heed Building, Philadelphia.

Church (alts. and add.), South West Corner 63d and Grays avenue, \$26,500. Owners, Olivet Bethany Methodist Episcopal Church, on premises. Brick, 2 stories, addition 46x20 feet—2d story addition 46x60 feet, slag roof, electric lighting, heating extension. Contract awarded to W. V. Morris, 711 South 52d street, Philadelphia.

Residences (2), East side Oakley street, South of Longshore street. Architect, private plans. Owner, Edwin Moyer, 3828 North 18th street, Philadelphia. Brick and frame, 2 stories, 17.5x36.6 feet, pine floors, electric lighting. Contract awarded to Hyman Korman, Oxford avenue and Levick street.

Garage and Residence, 6037 Overbrook avenue, Philadelphia, \$13,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, James J. Ryan, on premises. Stone, 2 stories, 41x26 feet, slate roof, cement and pine floors. Contract awarded to James Johnston, 1606 Swain street, Philadelphia.

Residence, East Side Claridge street, South of Cottman street, \$5,000. Architect, private plans. Owner, Matilda Swift, 7257 Claridge street, Philadelphia. Brick, 2 stories, 16x39 feet, hot water heat electric light, hardwood and pine floors. Contract awarded to Samuel Sift, 7257 Claridge street, Philadelphia.

Residence, North Side Flaminge street, West of Fowler street, \$6,000. Architect, private plans. Owner, Samuel B. Mitchell, 2349 North 13th street Philadelphia. Frame, 2 stories, 40x28 feet, shingle roof, hardwood and pine floors, electric lighting, tile work. Contract awarded to Geo. B. Mitchell, 6224 Limekin pike, Philadelphia.

Residence, South Side Unruh street, East of Charles street, Philadelphia, \$6,000. Architect, private plans. Owner, Newell B. Day, 3504 Knorr street, Philadelphia. Brick, 2 stories, 17x36 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded to Holmesburg Constructing Company, Holmesburg, Philadelphia.

Residence (alts.), 1729 South Spruce Street, Philadelphia. \$6,000. Architect, private plans. Owner, Geo. H. McFadden, 18th and Spruce Streets, Philadelphia. General alterations. Contract awarded to G. Reece, 1641 W. Thompson St., Philadelphia.

Show Room (alts.), 413-15 N. 63rd Street, Philadelphia. \$6,000. Architect, private plans. Owners, Dewees & Kirchner, on premises. General alterations. Contract awarded to Frank G. English & Son, 1608 N. Carlisle St.

Store and Residence, North side of Orthodox Street, east of Almond Street, \$6,000. Architect, private plans. Owner, Stefan Grazek, care of Builder. Brick, 2 stories, 17x55 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Felix Tatko, 5103 Edmund St., Philadelphia.

Residence and Store, Northwest corner 6th and Jefferson Streets, \$8,000. Architect, private plans. Owner, David Abramson, 1500 N. 6th Street, Philadelphia. Brick, 3 stories, 16x49 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Reliable Const. Co., 2610 N. Corlies Street.

Residence, 820 Hellerman Street, Philadelphia, \$6,000. Architect, private plans. Owner, C. Besser, 2510 Columbia Avenue, Philadelphia. Frame, 2 stories, 28x40 feet, shingle roof, hardwood and pine floors, hot air heat, electric light. Contract awarded to Lewis Ahlers, Jr., Rhawn & Large Streets.

Residences (alts. and add.), 6800 Frankford Avenue, \$5,000. Architect, private plans. Owner, Richard B. Stehle, on premises. Brick, 1 story addition, 4x17 feet, general alterations. Contract awarded to Geo. H. Thirsk, 4305 Horrocks Street, Philadelphia.

Store and Apartments (alts.), Southeast corner Forty-first and Chestnut Streets, Philadelphia. \$4,150. Architect, private plans. Owner, Harry G. Malloy, on premises. General alterations. Contract awarded to W. E. Biscoe & Son, 3946 Baring Street, Philadelphia.

Apartment (alts.), 2045 N. Park Avenue, Philadelphia, \$3,300. Architect, private plans. Owners, Jas. I. Flanagan Estate, on premises. General alterations. Contract awarded to B. V. Gamber, 3448 N. Carlisle Street, Philadelphia.

Garage, 2410 N. 52nd Street, Philadelphia, \$2,850. Architect, private plans. Owner, S. B. Hellerman, 5405 Woodcrest Avenue,

Philadelphia. Concrete block, 1 story, 20x27 feet, slag roof, cement floors. Contract awarded to H. F. Harmon Const. Co., Fernwood, Pa.

Store and Residence (alts. and add.), Southeast corner Tenth and Loudon Streets. Architect, private plans. Owner, Mr. Ettinger, on premises. Stone, 1 story addition, 8x18 feet, general alterations. Contract awarded to C. Edgar Miller, Jr., 5751 N. Camac Street.

Store and Residence (alts.), 4915 N. Broad Street, Philadelphia, \$2,500. Architect, private plans. Owner, Alice J. Fitzpatrick, on premises. General alterations. Contract awarded to A. R. Raff Const. Co., 1635 Thompson Street.

Residences (2), North side Fuller Street, east of Lorretta Street, \$5,000 each. Architect, private plans. Owner, Joseph Dugan, Bustleton, Philadelphia. Frame, 2 stories, 16x50 feet, shingle roof, hot air heat, electric light, hardwood and pine floors. Contract awarded to John A. Cunningham, Byberry Road, Somerton, Philadelphia.

Residence (Add.), 628 W. Horter Street, Philadelphia, \$3,000. Architect, Frank E. Hahn, 7th and Chestnut Streets, Philadelphia. Owner, G. Kass, on premises. Stone, 2 stories addition, 17x12 feet, hardwood and pine floors, electric lighting. Contract awarded to Golder Const. Co., 263 S. 15th Street, Philadelphia.

Residence (alts.), Southeast corner 40th and Pine Streets, Philadelphia, \$2,785. Architect, private plans. Owner, Miss G. Stinson, on premises. General alterations. Contract awarded to H. J. Gray, 1849 N. 20th Street, Philadelphia.

Store and Residence (alts.), 4052 W. Girard Avenue, Philadelphia, \$2,650. Architect, private plans. Owner, Morris Miller, 3960 Girard Avenue, Philadelphia. General alterations. Contract awarded to David Resnick, 1710 N. Lindenwood Street.

Garage, 641-43 S. Felton Street, Philadelphia, \$2,500. Architect, private plans. Owner, Mrs. Elliott, on premises. Brick, 1 story, 40x16 feet, slag roof, cement floors, electric work. Contract awarded to Edw. Holland, 5005 Sansom Street, Philadelphia.

Manufacturing Building (add.), 240 N. 60th Street, Philadelphia, \$5,000. Architect, private plans. Owners, National Delecalomania Co., on premises. Brick, 1 story addition, 14x2 feet, 29x43 feet, slag roof, steam heat, electric light, pine floors. Contract awarded

to Geo. Kessler Const. Co., 1733 N. Marvine Street.

Residence (add.), 1529 Ellsworth Street, Philadelphia, \$2,500. Architect, private plans. Owner, Angelo Princepoto, on premises. Brick, 3 stories addition, 12x14 feet, slag roof, pine floors, electric lighting. Contract awarded to N. Nardy, 700 N. 66th Street, Philadelphia.

Building (alts. and add.), 1640 Lombard Street, Philadelphia, \$3,000. Architect, private plans. Owners, Charles Young Camp No. 27, U. S. W. V., on premises. Brick, 3 stories addition, 11x15 feet, general alterations. Contract awarded to S. H. Bythewood, 1709 Christian Street, Philadelphia.

Store and Residence (alts. and add.), Southeast corner Haines and Osceola Streets, Philadelphia, \$3,500. Architect, private plans. Owner, John Lorenzo, 303 E. Haines Street, Philadelphia. Brick, 3 stories, 7x42 feet, 1 story, 15x2 feet, general alterations. Contract awarded to Robt. C. Lentz, 5505 Chew Street, Philadelphia.

Apartment House (alts. and add.), 825 N. 63rd Street, Philadelphia, \$3,000. Architect, private plans. Owner, R. C. Clayton, on premises. Iron and stucco, 1 story addition, 10x6 feet, general alterations. Contract awarded to A. L. McCloy, 6213 Sansom St., Philadelphia.

Residence (add.), 6023 Germantown Ave., Philadelphia, \$2,500. Architect, private plans. Owner, M. Fiono, on premises. Brick, 3 stories, 18x11 feet addition, pine floors, electric work. Contract awarded to Jos. Piroso, 1129 Linn Street, Philadelphia.

Store and Residence (add.), 1324 S. 21st Street, Philadelphia, \$2,500. Architect, private plans. Owner, H. A. Litman, 1306 Point Breeze Avenue, Philadelphia. Brick, 1 story addition, 12x14 feet. Contract awarded to Chas. Foreman, 2628 S. Percy Street, Philadelphia.

Residence and Store (add.), 6634 Ross St., Philadelphia, \$2,400. Architect, private plans. Owner, S. Nabin, on premises. Brick, 2 stories, 15x8 feet. Contract awarded to I. Bankoff, 1723 S. 6th Street, Philadelphia.

Garage, 3105 Midvale Avenue, Philadelphia, \$3,500. Architect, private plans. Owner, Irving L. Wilson, on premises. Concrete block, 2 stories, 23x22 feet, slag roof, cement floors. Contract awarded to Fred Elvidge & Son, 5522 Germantown Avenue.

PENNSYLVANIA

Construction News

Alms House, Wecoesville, Pa. Architect, David Levy, 949 Hamilton street, Allentown, Pa. Owners, Lehigh County, Allentown, Pa. Brick, concrete, 3 stories, 300x200 feet, (2) elevators, iron stairs, fire doors, (heating, plumbing and electric, separate). Bond, certified check. Owner taking bids due May 25th.

Residence and Garage, Elkins Park, Pa. Architect, Abraham Levy, Elrae Building, Philadelphia. Owner, name withheld. Stone, 2½ stories, 46x36 feet, 2 stories, 20x24 feet, vapor heat, electric light, slate roof, hardwood and cement floors, mill work, tile and marble work. Preliminary plans in progress.

Residence and Garage, Wynnewood, Pa. Architects, MacKenzie & Wiley, Bankers' Trust Building, Philadelphia. Owner, name withheld. Stone, frame, plaster, 2½ stories, 60x28 feet, 1 story, 20x24 feet, shingle roof, hardwood and cement floors, hot water heat, electric light, tile work. Plans in progress.

Residence (alts. to Club House and Swim-

ming Pool), Sharon Hill. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owners, Tully Memorial Presbyterian Church, Rev. Dr. Alex. Mackie, on premises. Alterations to residence and concrete open air swimming pool. Plans in progress. Owners will build. Material to be donated.

Fire House, Post road, East of Viscose Plant, Marcus Hook, Pa. Architects, The Ballinger Company, 12th and Chestnut streets, Philadelphia. Owners, Viscose Company, Marcus Hook, Pa. Brick, 2 stories, slag roof, cement floors, electric light. Plans in progress.

Residence, Llanerch, Pa. Architect, Henry L. Reinhold, 1513 Walnut street, Philadelphia. Owner, name withheld. Plans in progress. Too early for details.

Store and Apartment, Shamokin, Pa. Architect, Wm. H. Lee, 1505 Race street, Philadelphia. Owner, J. J. Newberry Company,

287 Broadway, New York Brick, terra cotta, built-up slag roof, elevators, pine floors, incinerators, plumbing, plate glass, metal bulks, metal skylights, tile work, vapor heat, electric light. Revised plans will be drawn.

Club House, (add.), Pottstown, Pa. Architect, Carl P. Berger, 1512 Walnut street, Philadelphia. Owners, L. O. O. M., Pottstown, Pa. Preliminary plans in progress.

Twin Residences (6 pairs), Rosemont, Pa.

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Architects, MacKenzie & Wiley, Bankers Trust Building, Philadelphia. Owners, Good Homes Company, Memorial Building, Bryn Mawr, Pa. Frame and plaster, concrete block, 2½ stories, 16x32 feet—16x30 feet, shingle roof, pine floors, hot air heat, electric light. Ready for bids in a few days.

Twin Residences (1 pair), Moore avenue, Bryn Mawr, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, Antino Barone, on premises. Pennsylvania Building. Block, brick trim, 3 stories, 16x44 feet, asphalt, slate shingle roof, hardwood floors, hot water heat, electric light, tile work, concrete work. Plans completed. Architect is ready for general bids.

Residence & Garage, Elkins Park, Pa. Architect, H. Miller, Crozer Building, Philadelphia. Owner, name withheld. Stone, 2½ stories, 44x30, feet, 2 stories, 21x24 feet, English shingle tile roof, hardwood and cement floors, hot water heat, tile work, electric light. Plans about completed; will be ready for bids in 10 days.

Residence and Garage, Narberth, Pa. Architect, MacKenzie & Wiley, Bankers Trust Building, Philadelphia. Owner, G. W. Markle, Narberth, Pa. Frame, plaster, 2½ stories, 50x26 feet, 1 story, 20x24 feet, shingle roof, hot water heat, hardwood floors, electric light, tile and marble. Owner ready for sub-bids.

Apartment House, Ardmore, Pa., \$700,000. Architects, MacKenzie & Wiley, Bankers Trust Building, Philadelphia. Owner, name withheld. Brick, steel, concrete, art stone, 4 stories, 130 apartments, vapor heat, electric light, slag roof, hardwood and rubber tile floors, tile and marble work. Plans in progress; will take bids in about one month.

Consolidated School, Parkerford, Pa. Architect, John H. Mowere, Phoenixville, Pa. Owners, School Board of East Coventry Township, Chester County, Wm. E. Wells, President, J. A. Savage, Secretary, Pottstown, Pa. Stone and brick, 1 story and basement, built-up roof, wood floors, metal ceilings, plastering, metal windows, plumbing, furnace heating, electric wiring, sewage disposal, artesian well. Owners taking bids due May 14th at 7 P. M.

Immaculate Heart Academy, Fountain Springs, Pa. Architect, Paul A. Monaghan, 1713 Sansom Street, Philadelphia. Owner, Sister of the I. H. M., Immaculate, Pa. Stone,

brick, cut stone, granite, limestone, steel, 3 stories and basement, 224x98 feet, wing 107x49 feet, (Plumbing, heating, electric, kitchen baking, laundry and elevator equipment separate), Spanish tile roof, cement, oak and pine floors, terra cotta, painting and glazing metal lath, tile, marble and terrazzo work, steel doors, bond, iron stairs, ornamental iron work, waterproofing, gypsum block partitions, metal toilet partitions. Architect taking bids due May 16th.

Residence and Garage, Manoa Park, Delaware County, Pa. Architect, C. C. Schweiker, 29 Garfield avenue, Manoa Heights, Delaware County, Pa. Owner, F. La Vere Lukens, Washington avenue, Manoa Heights. Stone, frame and stucco, 2½ stories, 27 feet 6 inches x 26 feet, shingle roof, pine floors, hot water heat, electric light, stone fireplace. Owner taking bids.

School, Greensburg, Pa. Architects, M. E. Kressley Co., 214 North Third street, Harrisburg, Pa. Owners, Greensburg School Board, Mary R. Peoples, secretary, Greensburg, Pa. Owners taking bids due May 19th at 6 P. M. (Note extension.)

Church, Lansdowne, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Lansdowne Baptist Church, Lansdowne, Philadelphia. Architects taking bids.

Boiler Plant, Norristown, Pa. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owner, Norristown Woolen Mills, Norristown, Pa. Plans in progress.

Boiler Plant, Norristown, Pa., Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owner, Grater Bodey Co., Norristown, Pa. Plans in progress.

Residence, 20th and Market Streets, Harrisburg, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owner, O. K. Kines, care of Architect. Too early for details.

Residence, 2nd and Division Streets, Harrisburg, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owner, Paul Douthrich, Front and Boas Streets, Harrisburg, Pa. Brick, 2½ stories, 30x45 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

High School, Bangor, Pa. Architects, Ruhe and Lange, 12 N. 12th Street, Allentown, Pa. Owners, Borough of Bangor School District, C. H. Williams, Bangor, Pa. Brick and stone, 2 stories. Plans in progress.

Residence and Garage, Cynwyd, Pa. Architect, E. A. Stopper, 10 S. 18th Street, Philadelphia. Owner, Name withheld. Stone, hollow tile, stucco, 2½ stories, 30x50 feet. Preliminary plans in progress.

Garage, 738 Penn Street, Reading, Pa. Architect, Warren D. Heinly, 7 South 4th St., Reading, Pa. Owner, Dr. A. J. Bagenstose, 210 N. 6th Street, Reading, Pa. Stone and brick, 1 story, 25x27 feet. plans in progress.

Residence, Huntingdon, Pa. (Alterations.) Architect, Henry L. Reinhold, Jr., 1513 Walnut Street, Philadelphia. Owner, Mrs. J. C. Blair, Huntingdon, Pa. Plans completed.

School, Brownstown, Pa. Architect, H. Y. Shaub, 20½ N. Queen Street, Lancaster, Pa. Owners, Board of Education of W. Earl Township, Lancaster Co., O. Myer, Brownstown, Pa. Brick, steel, 1 story, 9 rooms and auditorium. Sketches in progress.

Fire House, Coatesville, Pa. Architect, M. R. Evans, 10 E. Orange Street, Lancaster, Pa. Owners, Brandywine Fire Co., Coatesville Pa. Brick, steel, 3 and 2 stories, 30x150 feet, slag roof, concrete and maple floors, water and dampproofing in, ornamental iron work, central heating, electric lighting. Plans in progress.

Residences (2), Wynnewood, Pa. Architect, J. L. Conaroe, 225 Sydenham Street, Philadelphia. Owner, name withheld. Hol-

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low tile, stucco, 2½ stories. Preliminary sketches in progress.

Residence, Springfield, Pa. Architect, J. L. Conaro, 225 S. Sydenham street, Philadelphia. Owner, name withheld. Hollow tile and stucco. Preliminary sketches being drawn.

Parsonage, Mt. Carmel, Pa. Architect, W. H. Lee, 1505 Race Street, Philadelphia. Owner, First M. E. Church, Mt. Carmel, Pa. Ston, hollow tile, frame stucco, 2½ stories, 56x8 feet, slate roof, oak and pine floors, plumbing, hot water heat, electric light, tile work. Plans completed. Owner ready for general bids.

City Hall and American Legion Hall, Steelton, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owners, care of J. C. Craig, Steelton, Pa. Architectural terra cotta, fireproof, 3 stories, 40x80 feet, slag roof, composition and tile floors, vapor heat, electric light, tile and marble, metal sash, brone doors, ornamental iron work. Plans in progress. Architect will be ready for bids in one week.

Residence, North Second Street, Harrisburg, Pa. Owner, William Fisher, care of Architect. Brick, 2½ stories, 35x45 feet, metal roof, hardwood floors, hot water heat, electric light, tile work. Architect will be ready for bids in one week.

Almshouse, Nazareth, Pa. Architect, E. H. Wenzelberger, Easton, Pa. Owners, Northampton Co. Directors of Poor, Easton, Pa. Owners about ready for bids.

High School, 13th and Douglass Streets, Reading, Pa. Architects, Ritcher & Eiler, 147 N. 5th Street, Reading, Pa. Owners, Reading School District, Oscar B. Heim, Secretary, 8th and Washington Streets, Reading, Pa. Brick, concrete, steel, 3 stories and basement, 200x360 feet, bond, (heating, plumbing, ventilating and electric work, separate). Owners taking bids due May 26th at 8 P. M. (S. T.) \$100 deposit on general plans. \$80.00 refunded. \$50.00 on Heating, plumbing, ventilating and electrical plans, \$35.00 refunded.

Apartment House, Reading, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owner, Dr. W. A. Rigg, Colonial Trust Building, Reading, Pa. Brick, Indiana limestone, 4 stories, 60x220 feet, composition roof, hardwood floors, steam heat, electric light, tile and marble work, ornamental iron work. Architect taking bids.

Grade and High School (add.), Oxford, Pa. Architect, H. Y. Shaub, 20½ N. Queen St., Lancaster, Pa. Owners, Oxford School Board, Mr. Collins, Farmers Bank Building, Oxford, Pa. Brick, structural steel, 2 stories, 60x66 feet, slag roof, pine floors, safety treads, roof ventilators, water and dampproofing, terra cotta, (heating plumbing and electric separate), tile work. Architect taking revised bids due May 28th.

Factory (alts. and add.), W. King Street, Lancaster, Pa. Architect, C. Emlen Urban, Woolworth Building, Lancaster, Pa. Owners, Keystone Furniture Co., 4 W. King St., Lancaster, Pa. Brick and steel, 2 and 5 stories, 33x104 feet, asphalt roof, pine and concrete floors, reinforced concrete vaults, iron work. Architect taking bids due as soon as possible.

Fire House, Diamond and Cleveland Sts., Hazelton, Pa. Architect, J. B. Thompson, 34 S. 17th Street, Philadelphia. Owner, City of Hazelton, Hazelton, Pa. Brick, limestone, 2 stories and basement, 30x70 feet, built-up roof. (Plumbing, heating, electric, reserved). Owner taking bids due May 26th.

Fire House, Verner Avenue and E. Court Street, Hazelton, Pa. Architect, John B. Thompson, 34 S. 17th Street, Philadelphia. Owner, City of Hazelton, Pa. Brick, limestone, 2 stories and basement, 30x79 feet,

built up roof. (Plumbing, heating, electric, reserved). Owner taking bids due May 26th.

School (add.), Fifth and Spring Streets, Reading, Pa. Architect, Miles B. Dechant, 632 Washington Street, Reading, Pa. Owners, Reading School District, O. B. Heim, Secretary, 8th and Washington Streets, Reading, Pa. Brick, steel, reinforced concrete, 2 stories and basement, 85x113 feet, concrete roof, concrete and composition floors, hollow tile, roof ventilators, water and damp-proofing, iron stairs, metal lath (heating, plumbing and electric work, separate). Owners taking bids due May 19th.

Grade School, Sharon Hill, Pa. Architect, Folsom Stanton & Graham, 10 South Eighteenth Street, Philadelphia. Owner, Sharon Hill District, Sharon Hill, Pa. Stone brick, reinforced concrete, steel, limestone, 2 stories and basement, 123x50 feet, Barretts specification roof, cement and maple floors, painting and glazing, roof ventilators, water-proofing, metal lath, bond, floor hardener, ornamental iron work. Bid bond full amount of bid. Deposit \$15.00. Refunded \$10.00. Owner taking bids due May 15th at 8 P. M.

Church (alts. and add.), Pottsville, Pa. Architect, Cram and Ferguson, Boston, Mass. Owner, First Presbyterian Church, Pottsville, Pa. Stone, brick, steel, 1 story and 2 stories, 51x70 feet, 30x28 feet, bond, (plumbing, heating, electric reserved), bangor slate roof, linoleum and oak floors, metal weather-strip, ornamental iron work. Architect taking bids due June 1st.

Sunday School (add.), Paul Road and Athens Avenue Ardmore, Pa. Owner, First Baptist Church of Ardmore, Pa. Brick, cut cast stone, steel, 1 story and basement, 57x37 feet, wing 19x0 feet, controlled heat, electric light, metal lath, bond, ornamental iron work, wrought iron pipe, variegated slate and slag roof, pine floors, plumbing, painting and glazing. Architect taking bids due May 19th 2 P. M.

Philips Memorial Auditorium, West Chester, Pa. Architect, Price and Walton, 119 South Fourth Street, Philadelphia. Owner, West Chester Normal School, Robert Anderson, West Chester, Pa. Stone, limestone, granite brick, 2½ stories and basement, 149x76 feet, (plumbing, heating, electric and ventilating separate), variegated slate roof, Duraflex floors, cement, oak and pine floors, metal lathre doors, bond, ornamental iron work, steel tile floor, construction, metal casement sash, leaded glass asbestos curtain art stone. Low bidders: V. Gondos, Reading, Pa., \$265,100. Murphy Quigley, 1524 Sansom Street, Philadelphia, \$303,000. J. M. Yardley, 1730 Sansom Street, Philadelphia, \$304,403; Heating and Ventilating, Borden & Co., 637 N. 19th Street, Philadelphia, \$28,060. Plumbing, S. Faith, 2427 Pennsylvania Avenue, Philadelphia, \$5,900. Electric, E. F. Higgins, Wilmington, Delaware, \$8,600.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Low bidders on work opened May 1st.

Bridge, Cameron County, R-105, Sinnemahoning Creek, width, 24 feet. Farris Eng. Co., Pittsburgh, Pa. \$104,668.

Berks County, A-3220, Center Township, Centerport Borough, 12,214 feet. One course reinforced concrete. General Paving Co., Allentown, Pa., \$83,035.07.

Indiana County, R-337, A-3176, Centre, Brush and Green Townships, Homer City Borough, 42,168 feet. One course reinforced concrete. Corrado & Calardi Const. Co., Conneville, Pa., \$348,585.73.

Butler Co., R-75, A-338, Oakland, Summit, Butler and Center Townships, 10,570 feet. One course reinforced concrete. Wilson, Johnston Const. Co., Appleton, Wis., \$85,297.95.

Carbon Co., A-3275, Lansford Borough, 375 feet. Vitried brick pavement. John A. O'Donnell, Coaldale, Pa., \$10,206.60.

Huntingdon Co., R-193, Section 1, Dublin Township, 40,316 feet. Grading and drainage. Ancon Const. Co., Collingswood, N. J., \$63,918.07.

Mifflin Co., R-28, Lewistown Borough, 3,502 feet. One course reinforced concrete. Colgan & Kelly, State College Pa. \$50,046.22.

Bradford Co., R-299, A-2341, Monroeton Borough, 4025 feet. One course reinforced concrete. Wm. C. Horn Co., Athens, Pa., \$29,999.90.

Allegheny Co., R-70, Tarentum Borough, 98 feet. One course reinforced concrete. J. I. Dick, Scottdale, Pa., \$55,155.10.

Beaver Co., R-347, A-3138, Franklin Township, 5591 feet. One course reinforced concrete. E. A. Freshwater & Sons, Painesville, Ohio, \$45.

Cameron Co., R-103, Sec. 3, Lumber and Gibson Townships, 51,825 feet. Grading and drainage. Miller Const. Co., Punxsutawney, Pa. \$193,960.85.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Lower bidders on work opened May 2nd, 1925.

Carbon County, A-3283, East Penn Township, 22,707 feet. One course reinforced concrete. General Paving Co., Allentown, Pa., \$155,411.42.

Blair County, R-221, Logan Township, 12,751 feet. One course reinforced concrete. Geo. I. Thompson Co., Clearfield, Pa., \$112,966.81.

Dauphin County, R-140, Section 2, Appl. 2924, Lower Paxton and West Hanover Township, 12,155 feet. One course reinforced concrete. Frey Const. Co., York, Pa., \$99,375.06.

Armstrong County and Indiana County, R-67, A-3032, 3175, Sheloota and Elderton Boroughs, Plumcreek and Armstrong Townships, 28,079 feet. One course reinforced concrete. Johnson, Drake & Piper, Minneapolis, Minn. Armstrong Co., \$130,975.20; Indiana Co., \$125,922.04.

Berks County, A-3219, Cumco Township, 4373 feet. One course reinforced concrete. R. D. Richardson Const. Co., Scranton, Pa., \$59,637.54.

Westmoreland County, R-302, Section 1, St. Clair Township, 6312 feet. One course reinforced concrete. John Battenfield Sons Co., Pittsburgh, Pa., \$56,780.45.

Erie County, A-3346-3347, Girard Township, L. 188 feet. Either bituminous surface course or one course reinforced concrete. Chas. H. Fry Const. Co., Erie, Pa., \$15,469.25.

Schuylkill County, R-199, Sec. 1, Porter, Tremont and Frailey Townships, Tremont and Tower City Borough 59,691 feet. One course reinforced concrete. Henry W. Horst Co., Rock Island, Ill., \$652,036.89.

Clinton County, R-105, Renova Borough, 4316 feet. One course reinforced concrete. etger, Kirkpatrick and Wallis, Emporium, Pa. \$113,840.35.

Indiana County, R-262 Sec. 4, Cherry Hill and Green Townships, Clymer Borough, 40,376 feet. One course reinforced concrete. Elder & Merriman, Ebensburg, Pa., \$342,849.84 Bridge, Wyoming Co., R-241, Meshoppen Borough 550 feet. Whittaker & Diehl Co., Harrisburg, Pa., \$82,027.04.

Road Work, Pennsylvania. Owners, Pennsylvania State Department of Highways, Harrisburg, Pa. Owners taking bids due May 20th at 10 A. M.

Allegheny County, R-187, Section 2-B, Patton Township, 24,489 feet. One course reinforced concrete. Certified check \$3500.

Berks County, R-19, Womelsdorf Borough, 2158 feet. Either bituminous surface on concrete foundation or one course reinforced concrete. Certified check \$1500.

Berks County, A-3218, S. Heidelberg and Spring townships, 22,499 feet. One course reinforced concrete. Certified check, \$3500.

Blair-Cambria Counties, R-53, Section 2, Allegheny and Juniata Townships, Cresson Township and Borough, 15,630 feet. One course reinforced concrete. Certified check, \$2500.

Crawford Co., R-294, A-3293, Wayne Township, Cochranton Borough, 11,848 feet. One course reinforced concrete. Certified check, \$2,000.

Delaware County, R-180, Collingdale, Sharon Hill, Folcroft Glenolden Norwood Prospect Park Ridley Park and Eddystone Boroughs, Ridley Township, 32,025 feet. One course reinforced concrete. \$4,000.

Erie County R-272, A-3047, 3279 3352 Fairview and Franklin Townships, 27,076 feet. Either bituminous surface course on a concrete foundation or one course reinforced concrete. Certified check, \$4,000.

Jefferson County, R-63, A-3127, Oliver Township, 10,570 feet. One course reinforced concrete. Certified check, \$2,000.

Jefferson County, R-357, A-3125, Parry township, 16,218 feet. One course reinforced concrete. Certified check, \$2500.

Jefferson County, A-3122, Young and McCalmont townships, 24,134 feet. One course reinforced concrete. Certified check, \$3500.

Lebanon County, R-139, Annville Township, 4700 feet. One course reinforced concrete. Certified check, \$1500.

Schuylkill County, R-141, N. Manheim Township, 14,934 feet. One course reinforced concrete. Certified check \$2,000.

Somerset County, R-52 A-3158-B, Somerset Township, 6001 feet. One course reinforced concrete. Certified check, \$2,000.

Washington County, R-325, Section 5, South Ttrabane and Amwell Townships, 17,564. One course reinforced concrete. Certified check, \$3,000.

Bridge, Route 19, Sta. 955, Davidson Township, Sullivan County, Pa. Owners, State Department of Highways, Harrisburg, Pa. Steel, concrete, 97 feet long, roadway, 24 feet. Plans S-181, S-214, and S-130. Certified check, \$1,000.

Bridge, Route 211, Station 242, Larabee, Eldred Township, McKean County. Concrete, steel, 227 feet long, roadway, 24 feet. Plans S-140. Owners taking bids due May 20th at 10 A. M.

Building (alts.), Allentown, Pa. Architect, R. E. Ochs, care of Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Lehigh Valley Poster Ad Corp., 1006 Hanover street, Allentown, Pa. Brick, structural steel, one-story addition, 24x130 feet, slag roof, wood and cement floors, roof ventilators, water and dampproofing, steel sash, skylights, metal lath, vapor heat, electric light. Contract awarded to Ochs Const. Co., 440 Wire street, Allentown, Pa.

Church, Lititz, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Church of the Brethren, G. Merrich, Secretary, Lititz, Pa. Brick, one story and basement, 99 feet 8 inchesx73 feet, slate roof, concrete and maple floors, hot water heat, electric light, waterproofing. Contract awarded to H. W. Fry, Martindale, Pa.

Community Center, Birdsboro, Pa. Architect, Calvin J. Young, 226 North Sixth St., Reading, Pa. Owners, Fraternal Order of Orioles, No. 116, Birdsboro, Pa. Brick, structural steel, one story and basement, 60x125 feet, built-up roof, concrete and hardwood floors, paterproofing, steel stairs, metal lath, steam heat, electric light. Contract awarded to Painter Bros., Birdsboro, Pa.

Residence, Burn Township, Reading, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owner, J. E. Barber, Vanity Fair Silk Mills, Gordon street, Reading, Pa. Stone, 1½ stories, 130x20 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to C. H. Schlegel, 2250 Perkiomen avenue, Reading, Pa.

Store and Apartment (alts. and add.), Shenandoah, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owner, Leonard Davison, 113 North Main street, Shenandoah, Pa. Steel, brick and frame, 4 stories, 73x34 feet, composition roof, yellow pine floors, elevators, metal ceilings, plate glass, new copper store front, tile work, steam heat, electric light. Contract awarded to J. J. O'Hearn, Shenandoah, Pa.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Northumberland County, R-161, Mt. Carmel Borough, 4,026 feet, \$77,705. Contract awarded to Wm. M. Mosow, Mt. Carmel, Pa.

McKean County, R-236, Ceres Township, \$77,596.19. Contract awarded to Winter & Yaple, Erie, Pa.

Mercer County, R-294, Fren Creek, Mill Creek, Sandy Lane Townships, New Lebanon and Sady Lake Boroughs, \$363,238.06. Contract awarded to Paul Kroeck, Milwaukee, Wis.

Fayette County, R-288, Perry Township, \$69,636.32. Contract awarded to Edward Dunn Co., Inc., Greensburg, Pa.

Studio and Residence, Orange street, Lancaster, Pa. Architect, H. Y. Shaub, 20½ N. Queen street, Lancaster, Pa. Owner, George Killian, 303 N. Lime street, Lancaster, Pa. Cinder block, stucco, 2 stories, 35x65 feet, slate roof, hardwood floors. Contract awarded to Luther Wohlson, Breneman Building, Lancaster, Pa.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Susquehanna Co., R-174, Clifford Township, 11,167 feet. One course reinforced concrete. \$95,616.50. Contract awarded to Lincoln Constructing Company, Stafford, Pa. Pike County, R-7, Section 2, Blooming Grove, Lackawaxen, Shohola, Dingman and Milford Townships, Milford Borough, 69,413 feet. Grading and drainage. \$270,874.75. Contract awarded to W. A. Palmer, Inc., Bethlehem, Pa. Northumberland County, R-259, Milton Borough, \$23,664.64. Contract awarded to R. C. Fiss and Ira T. Fiss, Shamokin, Dam,

PENNSYLVANIA

Contracts Awarded

John Harris High School, Twenty-fifth and Market streets, Harrisburg, Pa. Architects, Lappley & Hornbostel, Ebner Building, Harrisburg, Pa. Owners, Harrisburg School Board, 121 Chestnut street, Harrisburg, Pa. Brick, Mentzer cast stone trim, 1 and 2 stories, 06x350 feet, 60x310 feet, 70x140 feet, 80x240 feet and 200x250 feet, composition roof, hollow tile, safety treads, roof ventilators, waterproofing and dampproofing, terra cotta, ornamental iron work, iron stairs, fire doors, skylights, tile and marble work, metal lath, redwood block floors and maple floors, Truscon steel window casements, iron pipe (heating, plumbing, electric separate). Contracts awarded: C. W. Strayer, Harrisburg, Pa., \$757,000. Plumbing, Herre Brothers, Harrisburg, \$40,450. Electric, Dauphin Elec. Sup. Co., Harrisburg, Pa., \$34,987. Low bidders, but not awarded: Heating and ventilating, R. T. Withers Co., of New Castle, Pa., \$149,000.

Y. M. C. A. Building, York, Pa. Architects, Thomas Martin & Kirkpatrick, Cunard Building, Philadelphia. Associate architect, Edw. Leber, Hay Building, York, Pa. Owners, Y. M. C. A., care of J. N. Bailey, Secretary, York, Pa. Brick, reinforced concrete, cut stone, steel, 6 stories and basement, 120x172 feet, wing 81x90 feet, gypsum asbestos built up roof, composition and cement, maple floors, hollow tile, painting and glazing, shoring, waterproofing, ornamental iron work, iron stairs, floor hardeer, copper skylights, solid metal sash, tile, marble and terrazzo work, metal lath, art granite, art limestone, gypsum block, linoleum floors, bronze work, cut cast stone, elevator doors. Contract awarded Wark Co., 1600 Walnut street, Philadelphia.

Residence, Nether Township, near Chester, Pa. Architects, Savery & Sheetz, Stephen Girard Building, Philadelphia. Owner, Richard Wetherill, care of architects. Stone, cut stone, 2½ stories, 56x35 feet (heating, electric, plumbing reserved), variegated slate roof, oak and pine floors, metal lath, tile and marble work, metal weatherstrip, hollow metal sash, ornamental iron work (hardware allowance). Contract awarded Wm. Provost, Jr.,

Chester, Pa.

Parochial School, Narberth, Pa. Architects, H. Rex Stackhouse & J. J. Donohue, 1120 Locust street, Philadelphia. Owners, St. Margaret's R. C. Church, Rev. F. R. Crowley, on premises. Brick, cut stone, cast stone, reinforced concrete, steel, 2 stories and basement, 59x76 feet, slag roof, composition and maple floors, roof vents, metal weatherstrips, iron stairs, dampproofing, ornamental iron work, bond, tile work, metal lath, electric light, concrete block. Contract awarded Hurley Bryan Co., 117 South Twentieth street, Philadelphia.

Residence (alts. and add.), Wyncote, Pa. Architect, Wm. F. B. Koelle, Otis Building, Philadelphia. Owner, Geo. Horace Lorimer, Esq., on premises. Stone, 2½ stories, 41x28 feet, wing 26x8 feet, wing 6x25 feet, slate roof to match present roof, plumbing (oak floors, walnut paneling, tile work, ornamental plastering, vapor heat, electric work, terrazzo and grading reserved). Contract awarded T. S. Fetter, 1829 Filbert street, Philadelphia.

Swimming Pool, Bala, Pa. Architects, Zantinger, Borie & Medary, Otis Building, Philadelphia. Owner, G. Brinton Roberts, Otis Building, Philadelphia. Grading, filling, carpentry, concrete, plumbing, drainage, bond, oval in shape, 60x26 feet, wrought iron pipe. Contract awarded Wm. R. Parker & Son, 123 Grandview avenue, Ardmore.

Residence (alts.), Wynnwood, Pa. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, L. H. Kinnard, Wynnwood, Pa. Carpentry and millwork, plastering, painting and glazing, electric light, tile work, stair work, shingle work, hardware, metal weatherstrips. Contract awarded C. C. Pace, Cynwyd, Pa.

Dormitory Building, Rosemont, Pa. Architect, Grosvenor Atterbury, 139 East Forty-third street, New York City. Owners, Rosemont College, Rosemont, Pa. Brick, three stories and basement, 54x106 feet, slag roof, composition floors, plumbing, water and dampproofing, ornamental iron work, metal lath, steam heat, electric light. Contract awarded Wm. Steele & Son, 219 North Broad street, Philadelphia.

Pa. Washington County, R-242, Hopewell, Independence Township and Middletown Borough, \$97,687.45. Contract awarded to A. G. Rothey, Elizabeth, Pa.

Road Work, Pennsylvania. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa. Monroe County, R-164, Hamilton and Stroud Townships and Stroudsburg Borough, \$426,423.89. Contract awarded to Nickell-Grahl Const. Co., Butler, Pa. Wyoming County, R-332, 365, Falls, Tunkhannock and Overfield Townships. Contract awarded to Winston & Co., Scranton, Pa., \$599,917.07.

New Jersey Construction News

Office (alts. and add.), 140-42 Academy St., Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Capital Building and Loan Association, Mr. Carnegie, on premises. Brick, limestone, steel, three stories, 30x20 feet, slag roof, hot water heat, electric light, tile and marble, ornamental iron, fireproof vault. Owner is ready for sub-bids.

Maternity Cottage (add.) and Cottages (2), Clinton, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, Clinton Reformatory for Women, Board of Managers, Clinton, N. J. Brick, hollow tile, 2½ stories, slag roof, pine floors, tile work (heating, plumbing and electric work separate). Architects taking bids. Due May 18th at 1.30 P. M. Standard times.

High School, Lambertville, N. J. Architect, Wm. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Lambertville School Board, Lambertville, N. J. Brick, steel, fireproof, two stories and basement, 60x80 feet, slate roof, pine floors, hollow tile, safety treads, roof ventilators, ornamental iron, bond, fire doors, metal lath (heating, plumbing and electric separate). Owners will be ready for bids next week.

School (add.), Stevens, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Burlington Township School Board, E. H. Russell, Burlington, N. J. Brick, one-story addition, 28x82 feet, slag roof, pine floors (heating, plumbing and electric separate). Owners ready for bids.

Stores (3) and Apartments (alts.), Perry street, Trenton, N. J. Architect, Walter Hankin, 224 East Hanover street, Trenton, N. J. Owner, R. Z. Robin, Perry street, Trenton, N. J. Brick, three stories, 40x70 feet, slag roof, pine floors, roof ventilators, baking equipment, plate glass, tile work, hot water heat, electric light. Architect taking bids.

Storm Sewer Imp., Boulevard and Garfield avenue, Borough of Palmyra, N. J. Architects, Remington & Vosbury, 506 Cooper St., Camden, N. J. Owners, Council of Borough of Palmyra, G. J. Spencer, Borough Clerk, Borough Hall, Palmyra, N. J. Plans may be obtained from Engineer. Deposit \$10.00. Refund \$5.00. Bidders' bond, 5 percent. Contract bond 100 per cent required. Owners taking bids, due May 19th 8 P. M. Daylight Saving time. Construction of approximately 2,695 linear feet of 15-inch to 54-inch terra cotta and reinforced concrete pipe sewer, 14 inlets, 6 manholes and appurtenances.

Paving, Cape May, N. J. Engineer, R. Fendall Smith, County Engineer, Cape May, N. J. Owners, Board of Chosen Freeholders of Cape May County, L. C. Ogden, Director, Cape May, N. J. Reinforced concrete pavement, Cape May Boulevard, from Cape May City to Cape May Point. Owners taking bids, due May 20th at 3 P. M. Standard time. Deposit of \$10.00. Certified check.

Dairy Building, Audubon, N. J. Architects, Frank Watson, William Heyl Thompson, Geo. Aikens, 1211 Walnut street, Philadelphia. Owners, Suburban Dairy Co., Audubon, N. J. Architects taking bids due May 16th.

Residences (7), 1437 to 1449 South Ninth street, Camden, N. J., \$35,000 total. Architect, private plans. Owner, Tony Prawdzik, 1213 South Tenth street, Camden, N. J. Brick, 2 stories, 16x47 feet and 14x47 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residences (2), 1113-15 Lois avenue, Camden, N. J., \$8,000 total. Architect, private plans. Owners, Tydeman & Andrews, 127 S. Twenty-seventh street, Camden, N. J. Frame, two stories, 14x38 feet, slag roof, pine floors, hot water heat, electric light. Owners will build.

Residences (2), 606-8 North Thirty-second Camden, N. J., \$7,000. Architect, private plans. Owner, David B. Linderman, 602 N. Thirty-second street, Camden, N. J. Frame, two stories, 16x36 feet, slag roof, pine floors, hot air heat, electric light. Owner will build.

Residence, 863 Lois avenue, Camden, N. J., \$3,500. Architect, private plans. Owners, King & Wark, 882 Beideman avenue, Camden, N. J. Frame, 1½ stories, 24x34 feet, slate surface roof, pine floors, hot air heat, electric light. Owners will build.

Rosedale Grade School, Camden, N. J. Architects, Lackey & Hettle, 5 Hudson avenue, Camden, N. J. Owners, Board of Education, Camden, N. J. Low bidders: Geo. Bachman, Camden, N. J., 187,575; John M. Yardley, 1730 Sansom street, Philadelphia, \$191,932.

Jail Building (alts. and add.), Cape May Court House, N. J. Architects, Edwards & Green and Lyman H. Boyer, Camden, N. J. Owners, Board of Chosen Freeholders, Cape May Court House, N. J. Low bidder: Geo. W. Shaner & Son, Palmyra, N. J.

New Jersey Contracts Awarded

West Side High School, Kensington Place and South Orange avenue, Newark, N. J. Architects, Guilbert & Betelle, Newark, N. J. Owners, Board of Education, Newark, N. J. Brick, reinforced concrete, cut stone, steel, three stories and basement, 197x157 feet, elevators, plumbing, metal window guards, damp-proofing, salt glazed terra cotta coping, ornamental iron work, iron stairs, bond, kalamein doors, rolled steel skylights, tile and marble and terrazzo metal lath, electric light, steam heat, bluestone, granite limestone, metal toilet partitions, wrought iron pipe (plumbing, heating, lighting and ventilating reserved). Contract awarded Edward M. Waldron, Inc., Newark, N. J. Heating and ventilating, Gillies & Geoghegan, 537 Broadway, New York City. plumbing, A. Taaffe & Co., 3 Eagle St., Newark, N. J. Electric, Broad Electric Co., 6 Court St., Newark, N. J.

Nurses Home (alts.), Camden, N. J. Architects, Morris and Erskine, 1716 Cherry street, Philadelphia. Owners, Cooper Hospital, Camden, N. J. Cement work, plastering, carpentry and millwork, metal ceilings, metal lath, kalamein partitions, kalamein doors, iron stairs, hardware, painting. Contract awarded Hurley Bryan Co., 117 South Twentieth street, Philadelphia.

Convention Hall (alts.), Camden, N. J. Architects, Edwards & Green, Camden, N. J. Owners, City of Camden, N. J. Brick, cut stone, reinforced concrete, stone, marble work, water and damp-proofing, metal ceilings, carpentry and millwork, iron work, kalamein rolling steel shutters, plastering, metal lath,

Morene art cement, composition floors, metal toilet partitions, hardware, projection booth, painting and glazing, celotex, imitation granite, marble work, asbestos built up roof, galvanized iron vents, iron stairs, maple floors. Contract awarded J. M. Yardley, 1730 Sansom street, Philadelphia, 166,755.

Bath House and Residence, 455-57 Lansdowne avenue, Camden, N. J., \$55,000. Architects, Edwards & Green, 23 Broadway, Camden, N. J. Owners, Blank, Yubas & Bernstein, Inc., Camden, N. J. Brick, Bath House three stories, 42x84 feet, Residence 2 stories, 16x48 feet, slag roof, oil burner heating, electric light. Contract awarded to Victor Bezahler, 348 Kaighn avenue, Camden, N. J.

Residence and Garage, Haddonfield, N. J. Architects, Wallace & Warner, Franklin Trust Building, Philadelphia. Owner, H. L. Wheeler, Collingswood, N. J. Frame, stucco, 2½ stories, 45x65 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded J. D. Hill, Collingswood, N. J.

Residence, 3040 Federal street, Camden, N. J., \$7,000. Architect, private plans. Owners, Dudley Park Co., Camden, N. J. Brick, two stories, 16x48 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Edmond H. Sharp, Merchantville, N. J.

Store and Residence, 1126 Atlantic avenue, Camden, N. J., \$7,000. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, Joseph Zbieratzki, 1438 Mt. Ephraim avenue, Camden, N. J. Brick, 2 stories, 16x45 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Stephen Schoen, 1315 Chase street, Camden, N. J.

BUILDERS SUPPLIES

CAMDEN MATERIALS COMPANY

1345-51 PINE STREET
CAMDEN, N. J.

CEMENT

SAND PEBBLES
LIME SLAG

PLASTERING MATERIALS
TERRA COTTA PIPE

MARBLE TILE

MOSAIC and CERAMICS

Camden Tile Co.

1484 Bradley Avenue
CAMDEN, N. J.

BELL PHONE, CAMDEN 3827 W

Residences (4), 2822-24-26-28 Tylor avenue, Camden, N. J., \$16,000 total. Architect, private plans. Owner, John Hawk, 1202 North Twenty-eighth street, Camden, N. J. Block, two stories, 14x43 feet, slag roof, pine floors, hot air heat, electric light. Contract awarded to Emory H. Hawk, 1202 North Twenty-eighth street, Camden, N. J.

Warehouse, 1428 South Ninth street, Camden, N. J., \$6,000. Owner, B. Derowski, care of builder. Block, two stories, 32x72 feet, slag roof, concrete floors. Contract awarded to Edward Praiss, 1566 Mt. Ephraim avenue, Camden, N. J.

Residence, 549 North Thirty-fifth street, Camden, N. J., \$5,000. Architect, private plans. Owner, Roy Gaskell, 832 East Tioga street, Philadelphia. Frame, 1½ stories, 24x34 feet, asbestos shingle roof, hardwood and pine floors, hot air heat, electric light. Contract awarded to H. B. Simpkins, 449 North Thirty-second street, Camden, N. J.

Delaware Construction News

Infirmity Building, Dover, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owners, Murphy School, care of architect. Fireproof, hollow tile, brick, one story, 45x80 feet, tile roof, composition floors, heating extension, electric light, metal lath, tile and marble, ornamental iron work. Will be ready for bids in two weeks.

Administration Building, Dover, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owners, Murphy School, care of architect. Fireproof, brick, hollow tile, 1½ stories, 45x110 feet, slate roof, hardwood floors (heating, plumbing and electric separate), metal lath, tile and marble, ornamental iron. Architect taking bids, due May 16th.

Residence, 709 West Twenty-sixth street, Wilmington, Del., \$8,000. Owner, C. C. King, 903 Shipley street, Wilmington, Del. Brick, 2½ stories, 24x38 feet, slate roof, hardwood floors, hot water heat, electric light. Owner will build.

Road Work, Delaware. Owners, State Highway Department, Dover, Del. Owners, taking bids due May 27th until 2 P. M. Deposit of \$10.00. Certified check. Contract ON-26, Valley Road-Pennsylvania Line, 0.966 miles. Excavation, broken stone base course, concrete pavement, longitudinal metal, metal joint, class "A" concrete, reinforcement, corrugated metal pipe, R. C. pipe underdrain, concrete gutter. Contract CK-27, through Woodside, 0.64 miles. Excavation, concrete pavement, longitudinal metal joint, Class "A" concrete, reinforcement, R. C. pipe. Contract 53, Five Points-Waples Mill, 8.922 miles. Clearing, grubbing, excavation, borrow, broken stone base course, concrete pavement, longitudinal metal joint, class "A" concrete, reinforcement, corrugated metal pipe, 15-inch, 18-inch and 24-inch R. C. pipe, wood shoulder curb, timber piling, B. M. sheet piling.

Delaware Contracts Awarded

Bath Pavilion, Wilmington, Del. Architects, Brown & Whiteside, DuPont Building, Wilmington, Del. Owners, City of Wilmington, City Hall, Wilmington, Del. Brick, frame, one story, 165x36 feet, slate roof, concrete floors, metal partitions (electric work and lockers separate.) Contract awarded to J. E. Healy & Son, 707 Tatnall street, Wilmington, Del.

Miscellaneous Construction News

Residence, Winston-Salem, N. C. Architects, Chas. Barton, Keen & Wallace, 338 S. Smedley street, Philadelphia. Owner, Irving S. Bull, care of architect. Stone, hollow tile, 2½ stories. Preliminary plans in progress.

Residence, Garage and Gardener's Cottage, Winston-Salem, N. C. Architects, Charles Barton Keen & Wallace, 338 S. Smedley St., Philadelphia. Owner, Robert E. Follin, care of architects. Hollow tile and stucco, 2½ stories, tile roof, hardwood and cement floors, pine floors, vapor heat, electric light, tile and marble work. Plans in progress.

Miscellaneous Contracts Awarded

Manufacturing Building, Baltimore, Md. Engineers, Lockwood Green Co., 100 East 42nd street, New York City. Owners, Gold Dust Corporation, 239 West 30th street, New York City. Reinforced concrete, brick, steel, asbestos, shingle roof, Barrett special roof, cement and maple floors, safety treads, terra cotta coping, metal lath, rolled steel sash and skylights, fire and kalamein doors, bond, floor hardener, iron stairs, ornamental iron work, steel partitions, brass pipe, plumbing, vault doors, wrought iron pipe, sprinkler tank. Manufacturing building, 5 stories and basement, 220x100 feet, kettle, 4 stories, 99x74 feet, fat house, 1 story, 83x91 feet. Contract awarded Consolidated Engineering Company, Baltimore, Md.

Proposal

SCHOOL DISTRICT OF READING, PA. PROPOSALS FOR THE ERECTION AND COMPLETION SENIOR HIGH SCHOOL BUILDING, THIRTEENTH AND DOUGLASS STS.

Reading, Pa., May 4, 1925.

Sealed proposals will be received by the Board of School Directors of the School District of the City of Reading, Pa., until Tuesday evening, May 26, 1925, eight o'clock Standard time, for the erection and completion of a Senior High School Building to be erected at Thirteenth and Douglass Streets, Reading, Pa.

The proposals shall be submitted separately for the building proper, heating and ventilating, plumbing and drainage, and electric work.

An acceptable Surety Co. bid bond, equal to ten per cent. of the aggregate amount of the bid must accompany each proposal to guarantee acceptance of contract, if awarded.

A Surety Company bond equal to the total amount of each bid will be required of the successful bidders.

Plans may be viewed at the office of the Architects, Ritcher and Eiler, 147 North Fifth St., Reading, Pa. Plans may be secured there also upon application accompanied by a \$100.00 deposit for the General plans, \$80.00 of which will be returned when plans are returned to said office; and \$50.00 deposit for each of the Heating and Ventilating, Plumbing and Electric Work plans, \$35.00 of which will be returned when plans are returned to said office.

The above deposits are made to insure receipt of a proposal, and in the event of no bid being received the entire amount of deposit will be forfeited.

The Board of School Directors reserves the right to reject any or all proposals or to award the contracts in such a manner as may appear to be to the best interest of the School District. All proposals are to be submitted in compliance with the conditions set forth on the plans and specifications.

OSCAR B. HEIM, Secretary.

A large number of delegates from construction and allied industries are expected to attend the Thirteenth Annual Meeting of the United States Chamber of Commerce, which will be held in Washington on the twentieth, twenty-first and twenty-second of this month.

The main subjects for consideration at this meeting will be: the European Situation, American Business Conditions, Commercial Treaty Policy, the Merchant Marine, the Federal Trade Commission, Agriculture, and Congress and the American Public. Because of the interest of business men everywhere in these timely business questions, it is believed that the convention will be exceptionally well attended. Business organizations throughout the country will send representatives.

In addition to the general subjects, other topics which will be discussed are: The Building Congress—Its Purposes and How it is Achieving Them in Five Cities, Economic Use of Land in Urban Communities, Housing in Relation to Citizenship, Ten Years of the Federal Reserve System, Incentives for Individual Production, Employee Training, Agricultural Selling C-operatives, A Survey of the Lumber Industry, the Coal Situation, Corporation Farming, New Aspects of Distribution Costs, Competition in Foreign Markets, Responsibilities of Insurance Policyholders, and Current Transportation Problems.

High government officials and outstanding business men will address the various sessions. Among the speakers will be William Howard aft, Chief Justice of the Supreme Court, who will take part in the dedication of the Chamber's new building; Herbert Hoover, Secretary of Commerce, William M. Jardine, Secretary of Agriculture; Richard F. Grant, President of the Chamber; Former Representative Samuel E. Winslow; Admiral Leigh C. Palmer, President of the Emergency Fleet Corporation; W. E. Humphrey, newly appointed member of the Federal Trade Commission; E. T. Meredith, former Secretary of Agriculture; Charles Nagel, former Secretary of Commerce and Labor; Harry A. Wheeler, President of the Union Trust Company, Chicago; John H. Fahey, Boston Publisher; A. C. Bedford, Chairman of the Board, Standard Oil Company of New Jersey; Former Representative Sydney Anderson, President, The Millers' National Federation; and Carl Gray, President, Union Pacific System.

Reference Directory for Architects, Builders and Owners

ARTESIAN WELLS.

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS AND ARCHITECTS' SUPPLIES.

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

ASPHALT CONSTRUCTION.

Rulon, Ralph V.239 N. 30th St., Phila.

BLUE PRINTS.

Blue Print Shop.1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

BLUE PRINT PAPER.

Blue Print Shop.1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS.

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

BRICK.

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.

BRICK (Face, Common, Paving).

Holloway Corporation.105-107 S. Third St., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS.

Mitchell Bros.2125 Race St., Phila.

BUILDING NEWS.

Daily Building News.Perry Bldg., Phila.

BUILDERS' SUPPLIES.

Camden Materials Co.1345 Pine St., Camden, N. J.
The Van Seiver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT.

Camden Materials Co.1345 Pine St., Camden, N. J.
The Van Seiver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK.

D'Lauro, John55 E. Mermaid Lane, Phila.
Harsch, Wm. F.Narberth, Pa.

COLD STORAGE (Insulation and Covering)

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

COLUMNS (Metal).

Pearce Fireproof Co.1911 N. 2nd St., Phila.

COMPOSITION FLOORING.

Penna. Flooring & Woodoleum Mfg. Co.,
34 S. 17th St., Phila.

CONCRETE WORK.

Harsch, Wm. F.Narberth, Pa.
Massiah, Frederick, Juniper and Cypress Sts., Phila.

CONTRACTOR'S EQUIPMENT

Lee T. Ward Co.617 Filbert St., Phila.

CORK FLOORING

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

CURTIS WOODWORK.

Gillingham Co.Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS.

Building News Pub. Co.Perry Bldg., Phila.

DAMP-PROOFING.

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger.829 N. 3rd St., Phila.

Concrete Waterproof Paint Co.829 N. 3rd St., Phila.

Master Builders' Co.,
Room 601, 1524 Chestnut St., Phila.

Truscon Laboratories.1505 Race St., Phila.

DRAWING MATERIALS.

Robbins, Chas. H., Co.1729 Sansom St., Phila.

Warren-Knight Co.136 N. 12th St., Phila.

Weber, F., Co.125 S. 12th St., Phila.

Well, J. H., Co.1315 Cherry St., Phila.

ELECTRICAL SUPPLIES.

Cass, Philip, & Co.40 N. 5th St., Phila.

EXCAVATING.

Harsch, Wm. F.Narberth, Pa.

McCarrick Bros.3138 N. 24th St., Phila.

Morrissey Bros.4345 N. 7th St., Phila.

FENCES.

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co.Erie Ave. & "D" St., Phila.

Reisbord, Wolf.4437-43 Ludlow St., Phila.

FIREPLACE EQUIPMENT.

Martin, E. V.1025 Arch St., Phila.

F. R. Rosen.5216 Walnut St., Phila.

FIREPROOFING.

Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLOOR HARDENER.

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Concrete Waterproof Paint Co.829 N. 3rd St., Phila.

Master Builders' Co., Room 601, 1524 Chestnut St.

Truscon Laboratories.1505 Race St., Phila.

FLOOR PLATES.

Wood, Alan, Iron & Steel Co. Widener Bldg., Phila.

FLUE LINING.

Clausen, Wm. H.27th and Diamond Sts., Phila.

FURNACES AND RANGES.

Cox, Abram, Stove Co., American and Dauphin Sts., Phila.

Fleck Bros.44 N. 5th St., Phila.

Miller, Henry M.46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc.64 N. 2nd St., Phila.

GARAGE HEATERS.

Fleck Bros. Co.50 N. 5th St., Phila.

GAS RANGES.

Abram Cox Stove Co.,
American and Dauphin Sts., Phila.

Fleck Bros. Co.50 N. 5th St., Phila.

Miller, Henry M.46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co.1026 Arch St., Phila.

F. R. Rosen.5216 Walnut St., Phila.

Thomson, Wm., Inc.64 N. 2nd St., Phila.

GRADING

Harsch, Wm. F.Narberth, Pa.

HARDWOOD FLOORS.

Wood, L. H.3312 Lancaster Ave., Phila.

HAULING CONTRACTORS.

Dooley, John J.39 S. 19th St., Phila.

McCarrick Bros.3138 N. 24th St., Phila.

HEATING CONTRACTORS.

Bowers Bros. & Co.2015 Sansom St., Phila.

HEATING BOILERS.

Cox, Abram, Stove Co.,
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May 20, 1925

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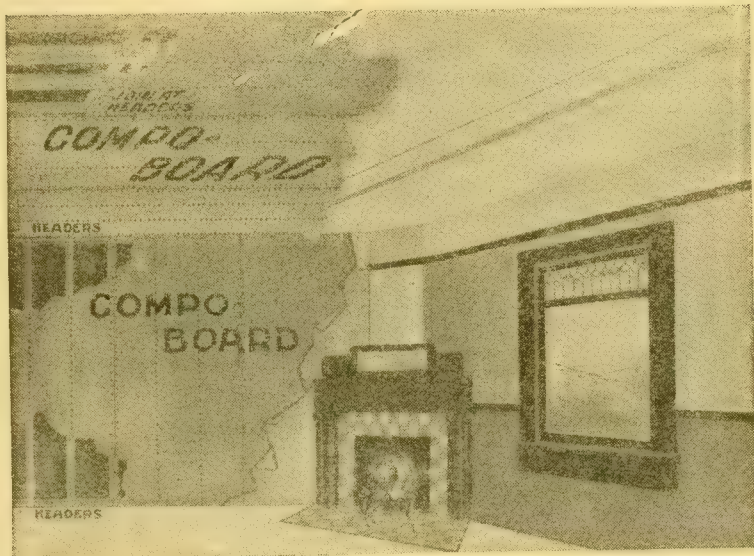
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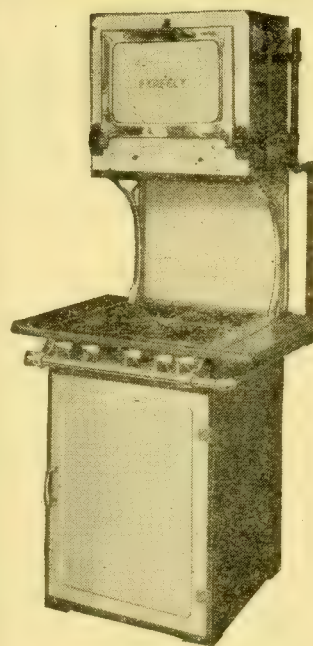
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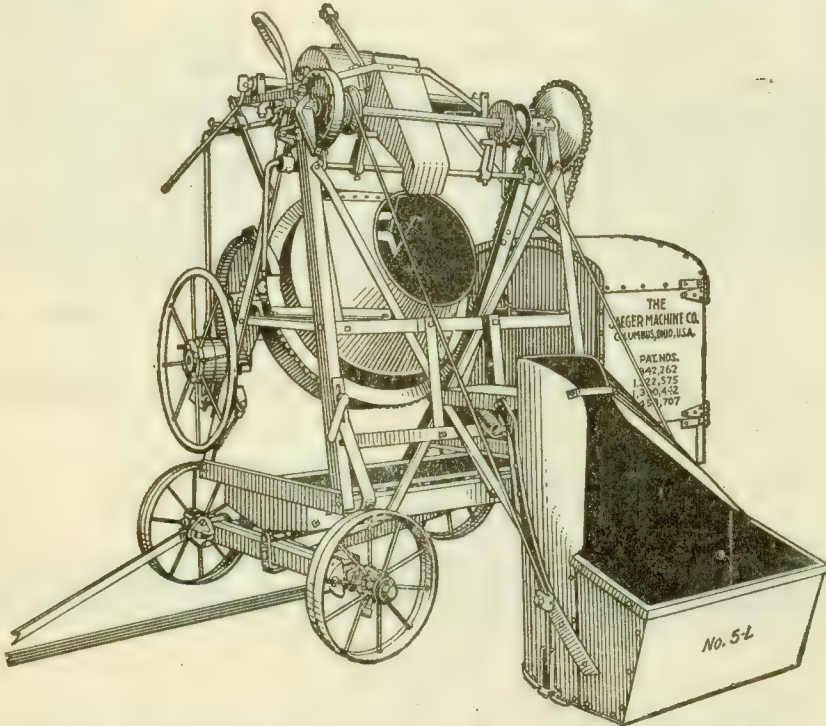
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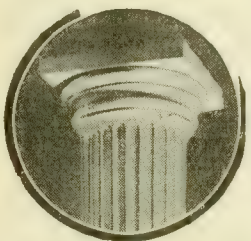
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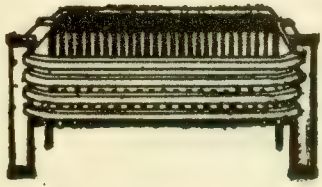
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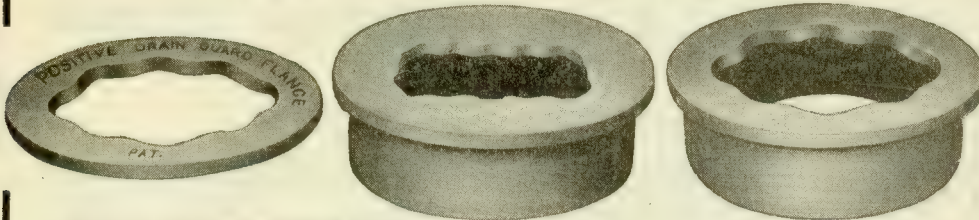
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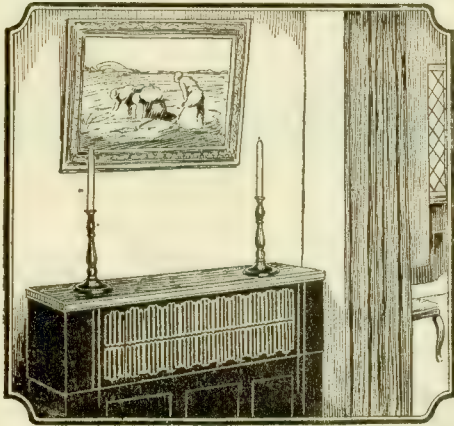
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XL
Number 20

PHILADELPHIA
May 20, 1925

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS;

CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Church and Sunday School, Southwest corner Twenty-first and Tasker streets, Philadelphia. Architect, not yet selected. Owner, Zion A. M. E. Church, Rev. L. W. Stanford, 2134 Tasker street, Philadelphia. Work contemplated.

Building (add.), 2017 Spring Garden street, Philadelphia. Architects, Stanton & Stewart, 1524 Chestnut street, Philadelphia. Owners, Philadelphia Association of Retail Druggists, on premises. Brick, cast stone, steel, 2 stories, 64x24 feet, Barrett Specification roof, cement and oak floors, painting and glazing, plumbing, electric light, metal lath, rolled steel sash, bond, ornamental iron work, shoring, salt glazed terra cotta, ornamental iron work, ornamental plastering. Architects taking bids due May 25th.

Mill Building, Southeast Corner Water and Dickson street, Philadelphia. Architect, Clarence Wunder, 1520 Locust street, Philadelphia. Owners, Philadelphia Bag Co., 86 Tasker street, Philadelphia. Brick, steel, reinforced concrete, 2 stories and basement, 128x101 feet, slag roof, cement floors, hollow tile, ornamental iron work, bond, metal toilet partitions, elevator doors, galvanized iron skylights, rolled steel sash, metal lath (elevators, heating, plumbing, electric and sprinkler reserved). Architect taking bids due May 27th.

Residences (55), Torresdale Section, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Donald J. Dugan, Land Title Building, Philadelphia. Brick, 2 stories, 15x35 feet, slag roof, hardwood floors, garages in basement, hot water heat, electric light. Owner taking sub-bids.

Garage, Sixty-first below Woodland avenue, Philadelphia. Architect, E. A. Wilson,

1208 Chestnut street, Philadelphia. Owner, Frank Landolfi, 3030 North Sixth street, Philadelphia. Stone, 1 story, irregular, 10,000 square feet, slag roof, cement floors, steam heat, electric light, cement floors, steel beams, rolled steel sash. Owner will be ready for sub-bids May 20th.

Smelter Building, Haddington Playground, 57th and Haverford Avenue, Philadelphia. City Architect, John Molitor, 1315 Walnut Street, Philadelphia. Owner, Department of Public Welfare, Bureau of Recreation, 595 City Hall. Construction of shelter building, plumbing and electric. Owner taking bids due May 26th 11 A. M. (S. T.) Certified check 5% of amount bid.

Office Building, 9th and Columbia Avenue, Philadelphia. Architect, Alfred Freeman, 29 West 34th Street, New York City. Owner, Bayuk Bros., 3rd and Spruce Streets, Philadelphia. Brick, steel and concrete, 9 stories. Plans in progress.

Residences (3) North and south side Rittenhouse street, Sprague to Ardleigh Streets, Philadelphia. \$7,000 each. Owner, James N. Mitchell, 4 South Farragut Street, Philadelphia. Brick, 2 stories, 18x36 feet, hardwood and pine floors, electric light, hot water heat. Owner will build.

Store and Office, 222 North Eleventh St., Philadelphia, \$3500. Architect, private plans. Owners, S. Yellin & Son, 3125 Montgomery Ave., Philadelphia. Brick, 3 stories, 20x45 feet, pine floors, slag roof, electric lighting. Owner will build.

Hotel, Club and Offices, Northeast corner Twentieth and Sansom streets, Philadelphia. Architect, A. L. Harmon, 3 West Twenty-ninth street, New York City. Owner, Emergency Aid of Pennsylvania, Mrs. J. Willis Martion, Acting Chairman, Twenty-first and

Walnut streets, Philadelphia. Brick, steel, concrete, stone, 14 stories, 54x85 feet. Plans in progress.

Swimming Pools (2), Montgomery Avenue and Moyer Street, Eighth and Green Streets, Philadelphia, \$800,000. Owner, Department of Public Welfare, Bureau of Recreation, Philadelphia. Work contemplated.

Store and Offices (5), Northeast corner of Fifth and Olney Avenue, Philadelphia. Architect, Abraham Levy, Elrae Building, Philadelphia. Owner, name withheld. Brickwork, steel work, steam heat, electric light, maple floors, millwork, tile and marble work, stone, cement, plate glass, flush bulks, steel stairs. Plans in progress.

Hospital Building and Infirmary, Burholme, Pa. Architect, Heacock and Hokanson, 1211 Chestnut street, Philadelphia. Owner, Jeanes Memorial Hospital, care of Architects. Plans in progress.

Offices and Apartments, 521 Pine Street, Philadelphia. Architect, William L. Silver, Victory Building, Philadelphia. Owner, I. Sion, 521 Pine Street, Philadelphia. Brick, 3 stories, 20x80 feet, slag roof, hardwood floors, hot water heat, electric light, metal lath, tile and marble work, bond, iron stairs, ornamental iron work. Plans completed.

Branch Bank, 116 South Fifteenth Street, Philadelphia. Architect, Davis, Dunlap and Barney, 1805 Walnut Street, Philadelphia. Owner, Tenth National Bank, care of J. F. Bauder, 1635 North Broad Street, Philadelphia. Marble, brick, steel, 1 story. Plans in progress.

Bank Building, Southwest corner Twelfth and Market Street, Philadelphia. Architect not selected. Owner, Philadelphia Saving Fund Society, Stacy B. Lloyd, Vice President,

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Stores (3), Garage Building, 6006 Girard Avenue, Philadelphia. Architect, private plans. Owner, J. Sporking, Pennsylvania Building, Philadelphia. Brick, 2 stories, 175x185 feet, concrete roof, concrete and pine floors, concrete ramp, steam heat, electric light, metal bulks, metal ceiling, plate glass. Plans in progress. Owner will be ready for sub-bids in 3 weeks.

Library, 19th to 20th, Vine to Wood streets, Phila. Architect, Horace Trumbauer, Land Title Building, Phila. Owners, City of Philadelphia, care of Librarian John Ashhurst, 13th and Locust Sts. Interior work. Architect ready for bids in about two weeks.

Apartment House, Lincoln Drive and Horter street, Phila. Architect, J. Ethan Fieldstein, Otis Building, Phila. Owner, name withheld. Brick, 4 stories and basement, (40 apartments), 139x219 feet, slag roof, hardwood floors, travertine walls, electric elevators, oil burning equipment, electric refrigeration, sound deadening, fire tower, kalamein doors, tile and marble work, vapor heat, electric light. Plans completed, ready for sub-bids in a few days.

Fraternity House, 3703-05 Locust Street, Philadelphia. Architect, E. L. Rothschild, Bankers Trust Building, Philadelphia. Owner, Kappa Nu, on premises. Brick, stone, steel, 4 stories, 35x90 feet, slag roof, hardwood and pine floors, steam heat, electric light. Plans about completed, will be ready for bids in a few days.

Garage, 21st and Spencer Streets, Philadelphia. Architect, J. Frank Clarke, 23 S. 16th Street, Philadelphia. Owners, Franklin Construction Company, 23 S. 16th Street, Philadelphia. Brick, steel, concrete, 2 stories, 84x90 feet, slag roof, plank and concrete floors, elevators, steam heat, electric light, rolled steel sash. Owner will build and are ready for sub-bids.

Warehouse, Hunting Park Avenue, West of 16th Street, Philadelphia. Architect, Philip S. Tyre, 1509 Arch Street, Philadelphia. Owner, Joseph J. Greenberg, Morris Building, Philadelphia. Reinforced concrete, brick, steel, cut stone, 5 stories and 1 story, 214 x153 feet, slag roof, cement floors, plumbing, steam heat, electric light, rolled steel sash, fire and kalamein doors, bond, ornamental iron work, elevators, sprinklers, steel pipe. Architect taking bids due May 21st.

Building (alts.), 1630 Ludlow Street, Philadelphia. Architect, private plans. Owner, R. B. Harper, care of W. C. Benckert, Morris Building, Philadelphia. Brick, reinforced concrete, 2 stories, 105x41 feet, tin and slag roof, pine floors, plumbing, steam heat, electric light, rolled steel sash, iron work. Owner taking bids.

Bank Building, Southwest Corner 65th and Woodland Ave., Philada. Architects, Norman Hulme and John J. Dull, 1524 Chestnut street, Philadelphia. Owners, Woodland Avenue State Bank, on premises. Brick, cut stone, steel, limestone, 1 story and mezzanine, basement and gallery, 79x40 feet, slag roof, cement floors, hollow tile, plumbing, shoring, ornamental iron work, kalamein doors, tile, marble and terrazzo work, metal lath, electric light, bronze work, galvanized wrought iron pipe. Architects taking bids due May 22nd, 4 P. M.

Bath House, 1808-14 Hazzard street, Philadelphia. Architects, Stewardson & Page, 315 South 15th street, Philadelphia. Owners, Public Bath Association, Passyunk and Wharton street, Philadelphia. Brick, cut stone, reinforced concrete, 2 stories and basement, 52x52 feet, slag roof, marbleoid and cement floors, plumbing, water and dampproofing, ornamental iron work, bond, hollow metal doors, hollow metal sash, rolled steel skylights, tile and marble work, metal lath, caulking, wrought iron pipe, Genasis asphalt roof. Architects taking bids due May 28th.

Swimming Pool and Bath House, 12th and Susquehanna avenue, Philadelphia. Architect, Paul J. Henon, Jr., Finance Building, Philadelphia. Owners, Department of Public Works, Bureau of Recreation, 595 City Hall. Concrete, cement, artificial cast stone, brick, steel, 68x120 feet, 1 story, bath house, 60x69 feet, slag roof, cement floors, carpentry and millwork, painting and glazing, hardware. Owner taking bids due May 21st.

Residence (alts.), 5025 Wayne avenue, Philadelphia. Archt. E. G. Brumbaugh, Real Estate Trust Bldg., Philada. Owner, J. Russell Winder, 4940 Wayne avenue, Philadelphia. Brick, office addition, 1 story, 18x20 feet, general alterations. Architect taking bids due May 25th.

Stores (9), Office Building, Southwest corner 20th and Market streets, Philadelphia. Architect, Abraham Levy, 805 Elrae Building, Philadelphia. Owners, 9th Ward Realty Company, care of architect. Limestone or artificial stone, brick, steel, 2 stories, 52x160 feet, slag roof, maple and cement floors, steam heat, electric light, tile and marble work, hollow metal skylights, metal bulks. Architect taking bids due June 1st.

Store and Residence (alts. and add.), Green and Washington lane. Architect, Guy B. Johnson, 237 North 16th street, Philadelphia. Owner, John Hendricks, care of architect. Marble work, plastering, cement floors, oak floors, plumbing, painting and glazing, carpentry and millwork, brickwork, plate glass, asbestos shingle roof. Architect taking bids due May 21st.

Store and Office Building, 4023-25 Market street, Philadelphia. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadel-

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phia. Owner, Isaac Shalkop, 1212 Ridge avenue. Brick, cut stone, granite, 2 stories and basement, 103x40 feet, slag roof, cement and pine floors, painting and glazing, plumbing, metal ceilings, ornamental iron work, bond, metal lath, tile and marble work, electric light, steam heat, metal toilet partitions, wrought iron pipe, Sedewalk elevator. Owner taking bids due May 23rd.

Building (alts. and add.), 1810 Market street, Philadelphia. Architect, Spencer Roberts, 10 South 18th street, Philadelphia. Owner, J. Cutler Fuller, on premises. Tile work, brickwork, carpentry and millwork, plastering, metal lath, painting and glazing, pine floors, ornamental iron work, copper bulk windows, iron cellar doors, (heating and electric reserved). Architect taking bids due May 22nd.

Fire House Company No. 18 (alts.), Uber and Callowhill streets, Philadelphia. City Architect, John Molitor, 315 Walnut street, Philadelphia. Owners, City of Philadelphia, Bureau of City Property 216 City Hall. Brick work, bond, carpentry and millwork, concrete work, hardware, steel, painting and glazing. Owners taking bids due May 29th, 11 A. M. (S. T.)

Apartment House, 320-22 South 12th street, Philadelphia. Architects, Associate Architect Company, 303 South Camac street, Philadelphia. Owner, care of J. W. Myers, 1700 Bankers Trust Building, Philadelphia. Owner taking bids due May 23rd.

Alterations, 1910 Pine street, Philadelphia. Architect, Jesse T. Hoekstra, 1713 Sansom street, Philadelphia. Owner, Albert W. Strecker, D. D. S., on premises. Brickwork, steel, repairs to tin roof, oak floors, carpentry and millwork, plastering, ornamental iron work, stairwork. Architect taking bids due May 22nd.

Office Building (alts. and add.), 2017 Spring Garden street, Philadelphia. Architects, Stanton & Stewart, 1524 Chestnut street, Philadelphia. Owners, Philadelphia Association Retail Druggists, on premises. Architects taking bids due May 25th.

Miscellaneous Work, Philadelphia, (Grading). Owners, Department of Public Works, Bureau of Highways, Philadelphia. Low bidders: Packer avenue, 10th to Broad street, Provident House Wrecking Company, 133 Greenwich street, \$113,914.20. Pattison avenue, 10th to 11th, Stanze Construction Company, Cleveland, Ohio, \$374,898.50. Pattison avenue, 11th to Broad street, Stanze Construction Company, Cleveland, Ohio, \$92,650. Pattison avenue, Broad to 20th streets, \$121,321.65.

Residences and Garages (18), Ellet and Green streets, Germantown, Philadelphia. Architect, private plans. \$198,000. Owner, S. H. Bailey Mercer, 4901 North 17th street,

Philadelphia. Brick, 2 stories, 20x37 feet, garages, 1 story, 11x21 feet, hardwood, pine and cement floors, hot water heat, electric light, tile work. Owner will build.

Residences (13), Park and 66th avenues, Philadelphia, \$86,500. Architect, private plans. Owners, Fox Bros., 6244 North Brad street, Philadelphia. Brick, 3 stories, 18x70 feet, hardwood and pine floors hot water heat, electric light, tile work. Owners will build.

Residences (19), West side Howard street, North of Chew street, \$96,000. Architect, private plans. Owner, Chas. P. Miller, 4833 C street, Philadelphia. Brick, 2 stories, 15x38 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (55), 21st, Parrish, Woodstock and Poplar streets. Architect, private plans. \$306,500. Owner, George A. Nahm, 2736 Girard avenue, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Apartment House, South side Chestnut, West of 52nd street, \$150,000. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Owners, Babis & Bender, Shubert Building, Philadelphia. Brick, 4 stories, irregular size, slag roof, hardwood and pine floors, steam heat, electric light, tile work. Owner will build.

Stable (add.), Ludlow, East of 57th street, Philadelphia, \$30,000. Owners, General Baking Company, 56th and Market streets, Philadelphia, 2 story addition, 75x75 feet, slag roof, cement and pine floors, electric lighting. Owners will build.

Apartment House North East corner Germantown and Willow Grove avenue, Philadelphia. Architect, H. Louis Duhring, 1309 Locust street, Philadelphia, \$55,000. Owners, Lorenzen Brothers, 8021 Winston road, Philadelphia. Brick, 3 stories, 56x56 feet, 25x12 feet, 46x33 feet, hardwood, pine and cement floors, steam heat, electric light, tile work. Owners will build.

Manufacturing Building, 931-33 North Watts street, Philadelphia, \$45,000. Architect, Jacob Naschold, 5234 North 2nd street, Philadelphia. Owner, Morris Goodstein, 5714 Warrington avenue, Philadelphia. Brick, 3 stories, 30x76 feet, slag roof, electric light, steam heat, cement work. Owner will build.

Residences (4), South side Ontario street, West of Livingston street, \$16,600 total. Architect, private plans. Owner, Walter Rybas, 3446 Tilton street, Philadelphia. Brick, 2 stories, 15x38 feet and 15x48 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

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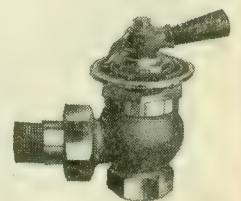
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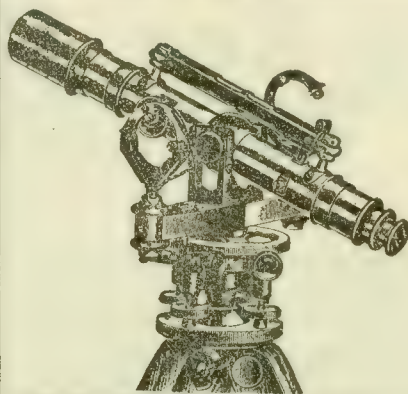


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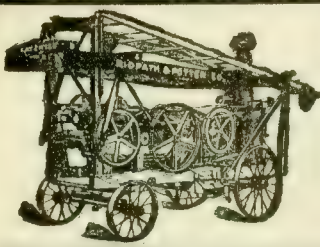
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Residences (4), Sedgwick and Henley streets, Philadelphia, \$55,000. Architect, private plans. Owner, Robert Killough, Wayne avenue and Duval streets, Philadelphia. Stone, (2) 3 stories, 18x38 feet (2) 3 and 2 stories, 22x40 feet and 10x7 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Residences (22), 52nd and Warrington avenue, Philadelphia, \$124,000. Owner, Charles E. Biddle, 730 South 52nd street, Philadelphia. Brick, (1) 3 stories, 18x40 feet, (21) 2 stories, 16x40 feet, 16x31 feet, 12x14 feet, slag roof, hardwood and pine floors, electric light, hot water heat. Owner will build.

Garage, West side Frankford avenue, South of Tyson street, Philadelphia, \$13,000. Architect, private plans. Owners, Tacony-Nash Motor Company, Longshore street, Tacony, Philadelphia. Brick, 1 story, 50x96 feet, slag roof, cement floors, electric lighting. Owner will build.

Residences (20), South side Marwood road, East of Westford road. Owner, Simon Kaplan, 243 South 62nd street, Philadelphia, \$5,000 each. Brick, 2 stories, 15x29 feet, 12x12 feet, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (2), East side Rowland avenue, north of Fuller street, \$5,000 each. Architect, private plans. Owner, Wm. W. Blankly, 4640 Paschall avenue, Philadelphia. Brick, 2 stories, 16x43 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residence, North East corner Palmetto and Bleigh streets, \$5,000. Architect, private plans. Owner, Harry Gorelick, 2427 North Douglas street, Philadelphia. Brick, 2 stories, 16x48 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Garage, North side Woodstock, South of Cambria street, \$5,000. Architect, private plans. Owner, Louis Mohr, 2019 W. Somerset street, Philadelphia. Brick, 1 story, 18x102 feet, 24x18 feet and 24x18 feet, slag roof, cement floors, electric lighting. Owner will build.

Residence, West side Hasbrook street, South of Van Kirk street, \$4,500. Architect, private plans. Owner, Harold E. Miller, 2528 Coral street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (2), East side Whitaker street, North of Bleigh, \$4,000 each. Architect, private plans. Owner, M. Yankuleszku, 7331

Oxford pike, Philadelphia. Frame, 2 stories, 15 feet, 6 inches x 40 feet, shingle roof, pine floors, hot water heat, electric light. Owner will build.

Garage (add.), 3722 Irving street, Philadelphia, \$4,000. Architect, private plans. Owner, E. T. Hallick, on premises. Brick, 1 story addition, 57x35 feet, slag roof, cement floors, electric light. Owner will build.

Residence, North West corner, Ridge and Summit avenues, Philadelphia, \$6,000. Architect, private plans. Owner, George J. Kemper, East Shawmont avenue, Roxboro, Philadelphia. Frame, 2 stories, 28x42 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (4), 7209-11-13-15 Ditman street, Philadelphia, \$4,800 each. Architect, private plans. Owner, H. Gereke, 3532 Princeton avenue, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residences (6), North side Martins Mill road, East of Montour street. Architect, private plans. Owner, William H. Fischer, 6370 Montour street, Philadelphia. Stone and frame, 2 stories, 16x48 feet, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (3), North West corner Shelmire and Tabor road, North West corner Shelmire and Lawndale avenues and East side Central avenue, North of Hasbrook avenue, Philadelphia \$3,500 each. Owners, Betz Brothers, 6915 Rising Sun avenue, Philadelphia. Frame, 1 story, 24x34 feet, shingle roof, pine floors, electric lighting. Owners will build.

Residence, South East corner Frontenac and Griffith streets, Philadelphia, \$3,600. Architect, private plans. Owner, John Tracker, 2030 North 8th street, Philadelphia. Frame, 2 stories, 30x20 feet, shingle roof, pine floors, hot water heat, electric light. Owner will build.

Residences (2), East side 16th street, North of Courtland street, \$4,500 each. Owner, Joseph Domanski, 4657 North 16th street, Philadelphia. Brick, 2 stories, 15x30 feet—11x9 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Storage Building, 363-71 East Price street, Philadelphia, \$4,000. Architect, private plans. Owner, Edward Alford, on premises. Brick, 1 story, 30x64 feet, slag roof, electric lighting. Owner will build.

Residences (2), 3570-72 Janney street, Philadelphia, \$2,800 each. Architect, private plans. Owner, Joseph McKinney, 3571 Witte street, Philadelphia. Brick, 2 stories, 14 feet,

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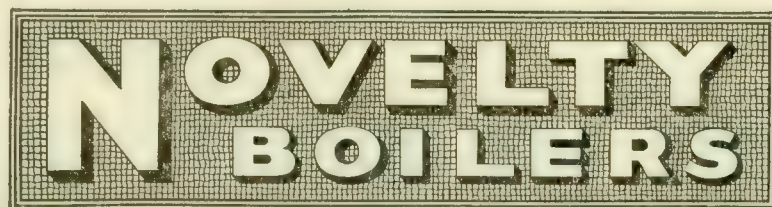
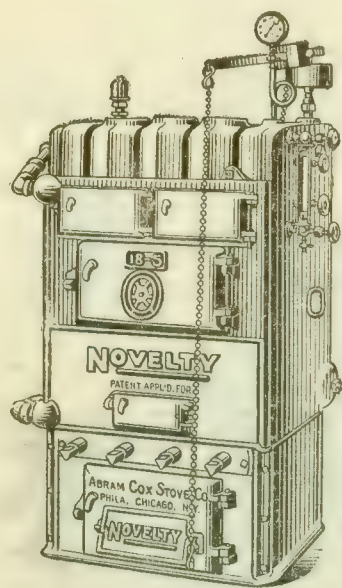
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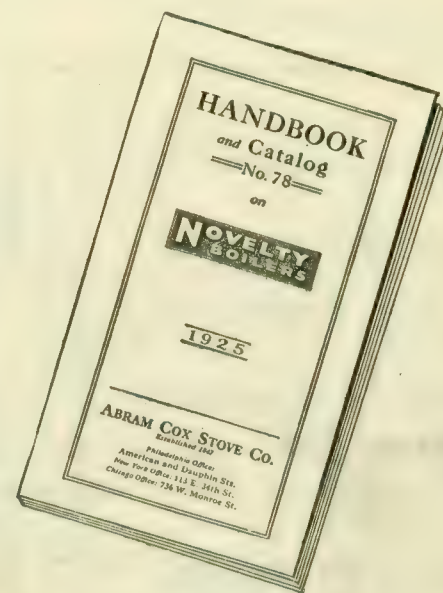
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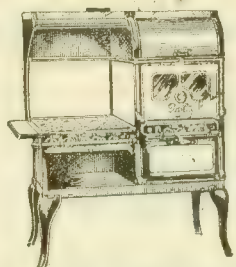
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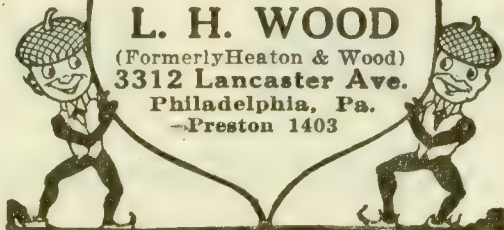
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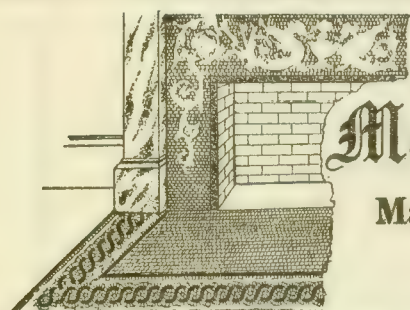
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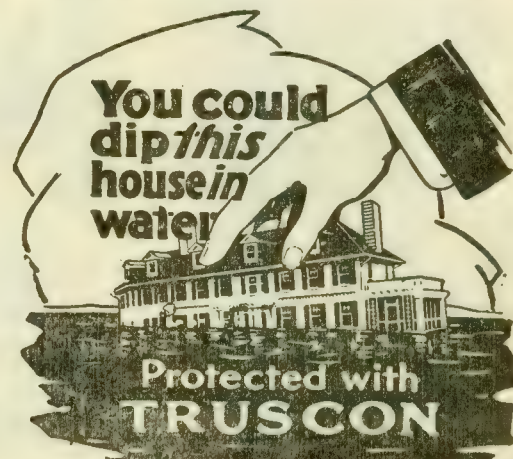
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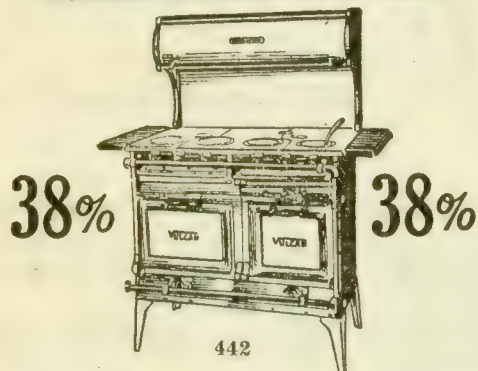
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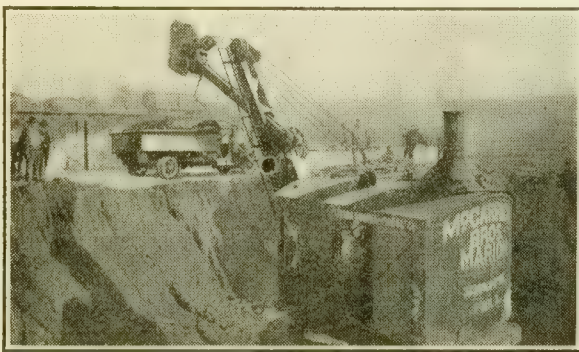
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Manufacturing Building (add.), 76-70 Laurel street, Philadelphia, \$2,200. Architect,

private plans. Owner, J. K. O'Mara, on premises. Brick, 1 story, addition, 16x50 feet, slag roof, electric lighting. Owner will build.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Sales Room and Apartment Building, 5221 Walnut street, Philadelphia. Architect, private plans. Owner, A. Edward Newton, care of builder. Brick and joist construction, 2 stories and basement, steam heat, electric light, slag and slate roof, hardwood floors, bulks, plate glass. Contract awarded without competition to J. N. Gill Const. Co., City Center Building, Philadelphia, who is taking sub-bids due May 22nd.

Residence (add. and alts.), 4759 North Eleventh Street, Philadelphia, \$3,000. Architect, private plans. Owner, Dr. Morris Segal, on premises. Brick, 1 story, 12x16 feet, and 1 story 11x16 feet, general alterations. Contract awarded to Henry Lublin, 2622 South Second Street, Philadelphia.

Store and Storage (add.), 2013 Sansom Street, Philadelphia, \$3,000. Architect, private plans. Owner, A. M. Woolston, 4815 North Twelfth Street, Philadelphia. Brick, 2 stories, 16x67 feet, slag roof, electric work, pine floors. Contract awarded to H. C. Dahl, 231 South Eighth Street, Philadelphia.

Factory (Repairs), 2515 Fletcher Street, Philadelphia. \$2,000. Architect, private plans. Owner, Louis Forman, 602 Lincoln Building, Philadelphia. General fire repairs. Contract awarded to L. Glass, 25 Greenwich Street, Philadelphia.

Residences (14), Frankford and Comly streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Mr. Donnelly, care of Walter C. Redding, 39 South Seventeenth street, Philadelphia. Brick, 2 stories, 16x40 feet, hot water heat, electric light, slate and slag roof, hardwood floors, garages in basement. Owner taking sub-bids.

Factory alts. and add.), North side Ontario Street, west of C Street, Philadelphia. Architect, private plans. Owners, Philadelphia Storage Battery Co., on premises. Reinforced concrete steel, third and fourth stories addition, general alterations, electric light, steam heat. Contract awarded to Stewart Bros., 2526 North Orkney Street, Philadelphia.

Residences (2), East side Rockwell Street,

north of Bleigh Street, Philadelphia, \$4300 each. Architect, private plans. Owner, Gustav Soells, 7432 Oxford Pike, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hot water heat, electric light. Contract awarded to Albert J. Johnson, 4240 North Sixteenth Street, Philadelphia.

Stadium, Broad street, South of Pattison avenue, Philadelphia. Architects, Simon & Simon, 249 South Juniper streets, Philadelphia. Owners, Department of Public Works, Bureau of City Property, Philadelphia. Brick, reinforced concrete, steel, 174x1950 feet, semi-circle, slag, asbestos, tin and tile roof, steam heat, electric light, marble terrazzo work, hollow tile, plumbing, fire doors, ornamental iron work, caulking, wrought iron pipe. Awarded to Turner Constructing Company, 1713 Sansom street, Philadelphia, \$1,337,800. Lighting fixtures, Sulzer Company, 252 N. 11th street, \$30,999. N. Connolly, 1404 North 18th street, Philadelphia, (plumbing), \$127,695. Heating, N. Connolly, 140 North 18th street, Philadelphia, \$31,696.

Sunday School Building, City line and Lancaster avenue, Overbrook, Pa. Architects, David Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Presbyterian Church, C. Geist, Overbrook, Pa. Stone, brick, cut stone, steel, steam heat, electric light, metal lath, tile, marble and terrazzo work, hollow metal sash and doors, rolled steel skylights, bond, floor hardner, ornamental iron work, slag and Vermont slate roof, concrete and pine floors, plumbing, roof ventilators, shoring, bluestone, steel casement sash, wrought iron pipe, dumbwaiters, brass pipe. Contract awarded H. E. Haton, 1713 Sansom street, Philadelphia.

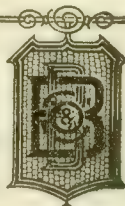
Garage, North West corner, 22nd and Pine to Panama street, Philadelphia. Architect, J. Frank Clark, 23 South 16th street, Philadelphia. Owner, Jacob Pastean, care of architect. Reinforced concrete, brick, steel, 2 stories and basement, 80x80 feet, Barrett special roof, cement floors, hollow tile, elevators, roof vents, ornamental iron work, bond, fire doors, galvanized iron skylights, steam heat, electric light, oil burning equipment, rolled steel doors, cast stone garage doors, cold water painting, galvanized iron, salt glazed terra cotta. Contract awarded Franklin Constructing Company, 23 South 16th street, Philadelphia.

Garage, 2211-15 North 15th street, Philadelphia, \$50,000. Architect, private plans. Owners, Carlisle Garage Company, on premises. Brick, concrete, steel, 2 stories, 177x68 feet, slag roof cement floors, plumbing, steam heat, electric light, rolled steel sash, hollow metal doors, ornamental iron work, wrought iron pipe. Contract awarded L. Rosengarten, 4738 Market street, Philadelphia, who is taking sub-bids due at once.

Store and Apartments, New Harrison Garage, Filmore, Duffield and Darrah streets. Architects, Wm. C. Chance, 1241 Orthodox streets, Philadelphia. Owner, Charles T. Williams, on premises. Brick, steel, cast stone, 1 story and mazzanine and basement, 76x110 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash, galvanized iron skylights, fire doors, bond. Contract awarded John N. Gill Constructing Company,

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Synagogue (add.), 41st and Viola streets, Philadelphia, \$37,000. Architect, Abraham Levy, Real Estate Trust Building, Philadelphia. Owners, Congregation Tikvas Israel, North West corner 41st and Viola streets. Brick, steel, stone, 3 stories, 10x20 feet, slag roof, maple floors, millwork, leaded glass, artificial cement, sheet metal, tile and marble, electric light, steam heat. Contract awarded to Max Cotler, 1220 N. 42nd street, Philadelphia.

Store, Residence and Garage, 1617 Mt. Vernon street, \$13,000. Architect, Chas. G. Schweiker, 29 Garfield avenue, Manoa Heights, Pa. Owner, Mrs. Harry Finnerty, on premises. Brick, 3 stories, 26 feet x 25 feet, 6 inches, garage, 1 story, 17x74 feet, slag roof, oak and pine floors, hot water heat, electric light, plate glass, copper frames, galvanized iron cornices. Contract awarded to John Mansolino, 6223 Girard avenue, Philadelphia.

Residences (5), 65th and Girard avenue, Philadelphia, \$31,900. Architect, private plans. Owner, Frank De Benzo, 535 North Cross street, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to A. E. Perna & Brother, 6413 Vine street, Philadelphia.

Residence, East side Craig street, North of Welsh road, Philadelphia, \$5,000. Architect, private plans. Owner, Emerson Titus, 8130 Frankford avenue, Philadelphia. Brick, 2 stories, 16x39 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Geo. W. Crosley, 1328 Foulkrod street, Philadelphia.

Church, South side Chew street, East of 4th street, Philadelphia, \$10,000. Architect, private plans. Owners, Olney Assembly, on premises. Brick, 1 story, 32x52 feet, slag roof, electric light, steam heat, pine floors. Contract awarded to Wm. E. Lotz, 6746 N. 5th street, Philadelphia.

Residence, North side Pelham road, East of Hortter street, Philadelphia, \$24,000. Architect, private plans. Owner, Earl S. Edwards, Pelham Apartments, 332 W. Hortter street, Philadelphia. Stone, 3 stories, 25x38 feet—18x18 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to John W. Moffley, 515 West Mt. Airy avenue, Philadelphia.

Church, 21st street and 65th avenue, Philadelphia, \$18,000. Architect, Robeson Lea Perot, 137 Harvey street, Philadelphia. Owners, St. Luke's Mission Chapel, care of architect. Brick, stone, 1 story, 36x88 feet, tile roof, millwork, plastering. Contract awarded to W. O. Springer, 2004 Naudain street, Philadelphia.

Garage (add.), North side Leverington avenue, East of Wilde street, \$11,000. Architect, private plans. Owner, D. Morton Atkinson, Ripka and Mansion avenues, Philadelphia. Stone, 2 stories, 72x54 feet, 27x54 feet, cement and pine floors, electric light. Contract awarded to H. F. Brown, 6127 Ridge avenue, Philadelphia.

Residence, East side 3rd street, North of 66th avenue, Philadelphia, \$7,000. Architect, private plans. Owner, Ernest Saame, 2725 North 4th street, Philadelphia. Frame, 2 stories, 26x43 feet, shingle roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Geo. P. Bertram, 5911 North Warnock street, Philadelphia.

Garage, North East corner Pratt and Glenlock streets, Philadelphia, \$5,000. Architect, private plans. Owner, James Lee, 5101 Jackson street, Philadelphia. Brick, 1 story, 65x48 feet, slag roof, cement floors, electric work. Contract awarded to Geo. W. Crosley, 1328 Foulkrod street, Philadelphia.

Residence, West side Greene street, North

of Walnut lane, Germantown, Philadelphia, \$20,000. Architects, Trout & Truscott, 222 South Jessup street, Philadelphia. Owner, Dr. F. D. Weeder, 242 School lane, Philadelphia. Stone, 3 stories, 27x45 feet; 2 stories, 22x27 feet, slate roof, hardwood and pine floors, electric light, tile work. Contract awarded to Chas. W. Sibel, 527 Carpenter lane, Philadelphia.

Store and Residence (alts. and add.), 2213-15 Ridge avenue, \$14,300. Architect, private plans. Owner, Mrs. A. Bregman, on premises. Brick, 2 story addition, 17x21 feet, general alterations. Contract awarded to E. O. DuFell, 1713 North 24th street, Philadelphia.

Residence and Store, 426 Olney avenue, Philadelphia, \$9,000. Architect, private plans. Owner, Emily Schwartz, care of builders. Brick, 2 stories, 15 feet, 6 inches x 33 feet and 12 feet, 6 inches x 16 feet, 11 inches, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Chas. R. Davis & Son, 5621 North 5th street, Philadelphia.

Store and Residence (alts. and add.), 1533 South Street, Philadelphia, \$6,300. Architect, private plans. Owner, Wm. Lowenthal, 1439 South Street, Philadelphia. Brick, 3 stories, additions, 12x16 feet, general alterations. Contract awarded to L. Rubin, 421 Jackson Street, Philadelphia.

Residences (2), 8515-17 Bartram Avenue, Philadelphia, \$4,500 each. Architect, private plans. Owner, Albert Johnson, 8715 Bartram Avenue, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hardwood and pine floors, electric lighting. Contract awarded to A. F. Dooley, 2641 Island Road, Philadelphia.

Residences (4), 2406-12 Duncan Street, Philadelphia, \$4,000 each. Architect, private plans. Owner, J. Gabriglewicz, 3417 Benner Street, Philadelphia. Brick, 2 stories, 14x32 feet, 11x13 feet, slag roof, pine floors, electric lighting. Contract awarded to Alex Jastrzemski 4539 Bermuda Street.

Store, 305-09 Brown Street, Philadelphia, \$10,000. Architect, private plans. Owner, William Weil, 1141 North Second Street, Philadelphia. Brick, 1 story, 54x91 feet, slag roof, pine floors, electric work. Contract awarded to Charles E. Bannett, 1633 S. 59th Street, Philadelphia.

Residence, West side Bustleton Avenue, south of Byberry Road, \$6,500. Architect, private plans. Owner, J. Tersi, Somerton, Philadelphia. Frame and stucco, 3 stories, 20x42 feet, shingle roof, hardwood and pine floors, electric lighting. Contract awarded to Wm. D. Bubeck, Somerton, Philadelphia.

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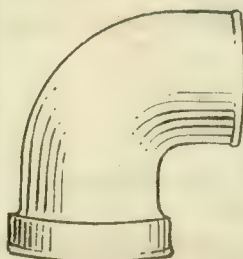
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west of Bingham street, Philadelphia, \$6,000. Architect, private plans. Owner, Wm. H. Petz, 472 Helen Street, Philadelphia. Brick, 2 stories, 16 feet 8 inchesx43 feet, hot water heat, electric light, slag roof, hardwood and pine floors. Contract awarded to Wm. F. Lotz, 6746 North Fifth street, Philadelphia.

Store and Office (add.), 250 South Fifty-second street, Philadelphia, \$5,000. Owner, Wm. Wright, Lansdowne, Pa. Brick, 1 story addition 16x16 feet general alterations. Contract awarded to W. A. Evitts, 4920 Fairmount Avenue, Philadelphia.

Store and Office (alts. and add.), 708 Porter Street, Philadelphia, \$3,400. Architect, private plans. Owner, Louis Blank, 706 Porter Street, Philadelphia. Brick, 2 stories addition, 12x9 feet, general alterations. Contract awarded to Chas. Forman, 2628 South Percy Street, Philadelphia.

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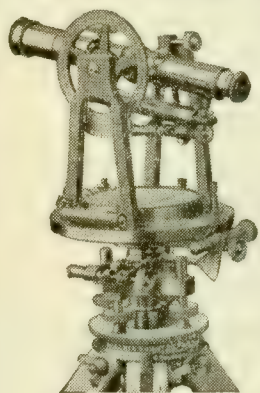
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Stable, 2641 West Sergeant Street, Philadelphia, \$2800. Architect, private plans. Owner, S. Hooven, on premises. Brick, 1 story, 20x7 feet, 36 feetx19 feet 8 inches, slag roof, electric work. Contract awarded to J. E. Houseworth, 2512 North 27th Street, Philadelphia.

Store and Office (alts. and add.), Southeast corner Second and Westmoreland Streets, Philadelphia, \$2200. Owner, Edward Weber, on premises. Brick, 3 stories addition, 16x9 feet, general alterations. Contract awarded to Jos. A. Merz, 5712 North American Street, Philadelphia.

Residence (add.), 41 West Logan street, Philadelphia, \$2,000. Architect, private plans. Owner, J. D. Nevin, on premises. Brick, 3 stories addition, 16x14 feet. Contract awarded to D. W. O'Dea, 420 Duncan-non Avenue, Philadelphia.

Residence, west side Mechanicsville Road, south of Meeting House Lane, Philadelphia. \$3400. Owners, Evan M. Townsend Estate, on premises. Brick, 2 stories, 18x12 feet, 22x12 feet, shingle roof, pine floors, electric lighting. Contract awarded to Geo. C. Mather, Langhorne, Pa.

Store and Residence (add.), 881 Belmont Avenue, Philadelphia, \$3,000. Architect, private plans. Owner, A. Mondal, on premises. Brick, 1 story addition, 16x12 feet, slag roof, pine floors, electric work. Contract awarded to M. Singer, 430 Snyder Ave., Philadelphia.

Garage (add.), 717 Delancy street, Philadelphia, \$3800. Architect, private plans. Owner, M. Gerwitz, 213 Church Street, Philadelphia. Brick, 1 story addition, 25x52 feet, slag roof, cement floors, electric lighting. Contract awarded to S. Rubin, 324 Dickinson Street, Philadelphia.

Garage, East side Tenth Street, north of Fishers' Avenue, Philadelphia, \$3,100. Architect, private plans. Owner, Hugh Hinnard, 5339 North Camac street, Philadelphia. Brick, 1 story, 18x36 feet, slag roof, cement floors. Contract awarded to Edw. Morrow, 4693 Castor Road, Philadelphia.

Apartment (alts.), 2417 West Oxford St., Philadelphia, \$2740. Architect, private plans. Owner, W. F. M. Johnson, on premises. General alterations. Contract awarded to J. Harvey Rea, 213 North Eleventh Street, Philadelphia.

Workshop, Southwest corner Ontario and C streets, Philadelphia, \$4,800. Architect, private plans. Owners, Philadelphia Storage Battery Company, on premises. Brick, 1 story, 40x100 feet, slag roof, electric light, pine floors. Contract awarded to Geo. H. Evans, 105 North Thirteenth Street, Philadelphia.

Rooming House (add.), 910 South Nineteenth street, Philadelphia, \$4,790. Architect, private plans. Owner, A. A. Lee, 1429 Christian Street, Philadelphia. Brick, 3 stories addition, 12½x33 feet, slag roof, pine floors. Contract awarded to Chas. H. Booker, 2127 Mantin Street.

Manufacturing Building (add.), 3633 Walnut Street, Philadelphia, \$2500. Architect, private plans. Owner, T. Looney, 3725 South street, Philadelphia. Brick, 1 story addition, 20x53 feet, slag roof, electric lighting. Con-

tract awarded to A. C. Beck, 4744 Market Street, Philadelphia.

Store and Residence (alts.), 2819 German-town Avenue, Philadelphia, \$2,000. Architect, private plans. Owner, M. Polocoff, on premises. General alterations. Contract awarded to B. Tillinger, 1551 North Sixth St., Philadelphia.

Garage, 1915½ North Street, Philadelphia, \$2500. Owner, F. Werneck, 1916 Fairmount Avenue, Philadelphia. Brick, 1 story, 20x60 feet, slag roof, cement floors, electric work. Contract awarded to S. J. Rea and Son, 1608 Fairmount Avenue, Philadelphia.

Schools (2), Philadelphia. Architect, I. Catherine, Nineteenth above Chestnut St., Philadelphia. Owner, Board of Education, Nineteenth above Chestnut street. Chew and Upsal School, contracts awarded: M. Melody & Son, 1322 Race street, Philadelphia, \$398,900. Plumbing, D. J. Keating, 2042 Rittenhouse Street, Philadelphia, \$17,620. Electric, Walker Kepler, 531 Chestnut Street, \$17,983. Heating, W. P. MacKenzie, 1234 Callowhill Street, \$45,997. Ventilating, J. R. Donoghue, 2312 Sallee Street, Philadelphia, \$1,669. Vaughan School: Mitchell Bros., 2125 Race St., Philadelphia, \$15,449. Plumbing, Bulman Bros., Fifth and Cumberland Streets, \$4,886. Heating, L. J. Somers, 246 Brown Street, Philadelphia, \$420. School No. 117 Electric, Enterprise Electric Co., 239 South Tenth Street, Philadelphia, \$705. No. 118, Walker & Kepler, 531 Chestnut Street, Philadelphia, \$792. No. 119, Ross Electric Company, 106 Fairmount Avenue, \$1,219. No. 120, E. V. Goldhahn, 4336 Chestnut Street, \$1,578. No. 142, Painting, J. W. Murphy, 1835 Ludlow Street, \$18,798. No. 113, General, Mitchell Bros., 2125 Race Street, Philadelphia, \$1,696.

Pennsylvania Construction News

Manse, Wynnefield, Pa. Architect, Henry L. Reinhold, Jr., 1513 Walnut Street, Philadelphia. Owner, Wynnefield United Presbyterian Church, Wynnefield, Pa. Preliminary plans in progress.

Residences (24), Allentown, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Charles Hunsicker, Allentown, Pa. Brick, 2 stories, 16x40 feet, 16x30 feet, slag and slate, tin roof, hot water heat, electric light, hardwood floors, tile work, garages in basement. Owner ready for sub-bids.

Grade School, Sharon Hill, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owners, School District of Sharon Hill, Pa. Stone, brick, reinforced concrete, steel, limestone, 2 stories and basement, 123x50 feet, Barrett Specification roof, cement and maple floors, painting and glazing, roof ventilators, waterproofing, metal lath, bond, floor hardener, ornamental iron work, bid bond full amount of bid. Low bidders: Farrell-Roth Const. Co., 1624 Spruce street, Philadelphia, \$77,677, \$82,800; Bowden Const. Co., 1607 Summer street, Philadelphia, \$78,700 \$82,900. Ventilating, J. M. O'Donnell, 407 Locust street, Philadelphia, \$14,350. Heating, American Heating & Ventilating Co., 1505 Race street, Philadelphia, \$9,524. Plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$6,666. Electric, Merit Elec. Co., 630 Race street, Philadelphia, \$1,870.

Residence and Garage, Spring and Rambler Road, Elkins Park, Pa. Architect, Newbauer & Supowitz, 929 Chestnut Street, Philadelphia. Owner, Aaron Traub, 6241 North Broad Street, Philadelphia. Stone, 2½ stories, 30x40 feet, 1 story 2x24 feet, slate roof, hardwood and cement floors, oil burning system, hot water heat, electric light, tile and

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marble work. Owner will be ready for sub-bids in one week.

Church, Kennett Square, Pa. Architect, Price and Walton, 119 South Fourth Street, Philadelphia. Owner, Kennett Square First Baptist Church, Bergen D. Stelle, Kennett Square, Pa. Stone, slate roof, electric lighting. Plans in progress.

Parish Hall, Throop, Pa., \$35,000. Architect, A. I. Prawdzik, 821 Moosic Street, Scranton, Pa. Owner, St. Anthony's R. C. Church, Throop, Pa. Frame, 43x100 feet. Plans in progress.

High School, Avoca, Pa. Architect, Austin Reilly, Bennett Building, Wilkes-Barre, Pa. Owners, Avoca School District, J. Timmlen, Secretary Avoca, Pa. Frame, 2 stories, 140x90 feet, slag roof, yellow pine floors, roof ventilators (heating, plumbing and electric wrk separate). Plans in progress.

Show Room and Service Station, Wilkes-Barre, Pa. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, name withheld. Brick, steel, limestone, 1 story, 100x120 feet, slag roof, concrete and composition floors, plate glass, skylights, steam heat, electric light. Plans in progress.

Residence, Charles Street, Wilkes-Barre, Pa. Architects, J. A. and D. F. McGlynn, Simon Long Building, Wilkes-Barre. Owners, Herman Fierman, Horton Street, Wilkes-Barre, Pa. Frame, 2½ stories, 36x54 feet, asphalt shingle roof, pine floors, vapor heat, electric light, tile work. Plans in progress.

Parochial School, Scranton, Pa. Architect, Schroeder and Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, name withheld. Steel, frame, 2 stories, 8 rooms, slag roof, pine floors, vapor heat, electric light. Plans in progress.

Apartment House (improvements), Spring City, Pa. Architect, J. Vincent Poley, 162 Second Avenue, Royersford, Pa. Owner, Frank Walley, 344 Broad Street, Spring City, Pa. Improvements to 3 story brick building, 34x50 feet, tin roofing, yellow pine floors (heating, plumbing and lighting, reserved), wood and metal sash. Plans in progress.

Stores and Apartments (4), Dickson City, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Shannon and Early, Dickson City, Pa. Frame, 2 stories, 65x65 feet, slag roof, pine floors, metal ceilings, copper work, steam heat, electric light. Plans in progress.

Apartments (4), Scranton, Pa. Architect, G. T. Price, Miller Building, Scranton, Pa. Owners, Frank J. Kearney, 306 Prospect Avenue, Scranton, Pa. Frame, stucco, 2 stories, 32x68 feet, shingle roof, hardwood and composition floors, hot water heat, electric light. Plans in progress.

Residence, Scranton, Pa. Architect, Lester M. Davis, 616 Spruce Street, Scranton, Pa. Owner, D. M. Reynolds, Linden and Wheeler Streets, Scranton, Pa. Brick and frame, 2 stories, 34x34 feet, shingle roof, hardwood floors, vapor heat, electric light, tile work. Plans in progress.

Apartment, Nanticoke, Pa. Architect, G. T. Price, Miller Building, Scranton, Pa. Owner, Dr. W. E. MacNeal, Nanticoke, Pa. Frame, 2½ stories, 33x54 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Owner will take bids.

Residence and Garage, Pottstown, Pa. Architect, Lachman & Murphy, Drexel Building, Philadelphia. Owner, E. H. Price, Pottstown, Pa. Stone, 2½ stories, 28x40 feet, 1 story 20x24 feet, slate roof, hardwood and cement floors, vapor heat, electric light, tile and marble work. Owner will take bids.

Residence (interior paneling), Wyncote, Pa. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, George Horace Lorimer, Esq., on premises. Walnut and oak paneling, peak wood floors, ornamental plastering. Ready for bids in a few days.

Restaurant, Olyphant, Pa. Architect, A. I. Prawdzik, 821 Moosic street, Scranton, Pa. Owner, Stephen Naglak, Olyphant, Pa. Frame, 2 stories, 36x60 feet. Architect ready for bids.

Residence and Garage, Skippack Pike, Fort Washington, Pa., \$100,000. Architects, Mellor, Meigs & Howe, 205 South Juniper street, Philadelphia. Owner, Oreville Bullitt, 8128 St. Martin's road, Chestnut Hill, Pa. Stone, 2½ stories, irregular, slate roof, hardwood floors, cement work, electric light, tile and marble work. Plans about completed. Will be ready for bids in about ten days.

Parochial School, Exeter, Pa. Architect, A. I. Prawdzik, 821 Moosic street, Scranton, Pa. Owners, St. John the Baptist Roman Catholic Congregation, Rev. J. Bodkul, Exeter, Pa. Brick, hollow tile, 2 stories and basement, 73x46 feet. Architect will be ready for bids June 2nd.

Post Office, Lehigh, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Masonic Hall Association, care of Frank Obert, Lehigh, Pa. Brick, steel, 3 stories, 49x70 feet, built-up roof, maple and pine floors, cast stone, plate glass, fire doors, copper store front, metal lath, vapor heat, electric light. Owners will take bids.

Residence, Wilkes-Barre, Pa. Architects, J. A. and C. F. McGlynn, Simon Long Building, Wilkes-Barre. Owner, Frank Klein, 538 South Franklin street, Wilkes-Barre, Pa. Frame, 2½ stories, 30x44 feet, asphalt shingle roof, pine floors, electric light. Owner will take bids.

Warehouse, Wilkes-Barre, Pa. Architects, J. A. and D. F. McGlynn, Simon Long Building, Wilkes-Barre. Owner, L. Rothstein, South Pennsylvania avenue, Wilkes-Barre, Pa. Brick, 3 stories and basement, steel, 25x80 feet, slag roof, concrete floors, electric elevators, electric lighting. Architects will be ready for bids in a few days.

Residence (double), Exter street, Wilkes-Barre, Pa. Architects, J. A. and D. F. McGlynn, Simon Long Building, Wilkes-Barre. Owner, D. Hershkowitz, 18 Sheldon street, Wilkes-Barre, Pa. Frame, 2½ stories, 28x34 feet, asphalt shingle roof, pine floors, hot water heat, electric light. Owner will build.

Residences (twin, 4 pair), Ardmore Park, Pa. Architect, Guy B. Johnson, 237 North Sixteenth street, Philadelphia. Owners, Nolan, Deppert & Schultze, 6541 Lebanon avenue, Philadelphia. Frame and Penn building block, 2½ stories, 16x42 feet, shingle and slag roof, hardwood floors, hot water heat, electric light, tile work. Owner ready for sub-bids.

Residence and One Pair Twin Residences, Oakmont Estate, Pa. Architect, Guy B. Johnson, 237 North Sixteenth street, Philadelphia. Owner, Robert Venier, 1819 Thompson street, Philadelphia. Frame and Penn Building Block, 2½ stories, (single) 24x32 feet, (twin) 42x34 feet, shingle and slag roof, hardwood floors, hot water heat, electric light, tile work. Owner ready for sub-bids.

Almshouse, Nazareth, Pa. Architect, E. H. Wenzelberger, 224 Northampton street, Easton, Pa. Owners, Northampton County Directors of Poor, R. D. Walter, County Controller, Court House, Easton, Pa. Brick, fireproof, 2 stories 160x116 feet, slag roof, composition and pine floors, waterproofing and damp-proofing, iron stairs, metal lath (heating, plumbing, electric and elevators separate). Owners taking bids due June 3rd at 10 A. M. Bond. Certified checks for 10 per cent. of bid. Deposit of \$10 (refunded).

Residence, No. 64, Wynnewood, Pa. Architect, Frank Seeburger, 1524 Chestnut street, Philadelphia. Owner, name withheld. Stone, 2½ stories, 53x26 feet, tile roof, oak and pine floors, hot water heat, electric light, tile work. Architect taking bids due as soon as possible.

High School, Thirteenth, Oley, Palm streets, Reading, Pa. Architects, Ritcher & Eiler, Reading, Pa. Owners, Board of Education, Adams W. Leader, Reading, Pa. Brick, concrete, cut stone, steel, 2 stories and basement and ground floor, 359x172 feet, built-up and copper roof, composition floors, gypsum block, safety treads, roof ventilators, waterproofing, metal lath, tile, marble and terrazzo work, rolled steel sash and hollow metal sash, rolled steel skylights, rolled steel and hollow metal doors, bond, floor hardener, ornamental iron work (plumbing, heating and ventilation, electric reserved), bronze work, hollow tile, ornamental iron plaster. Bid bond. Owners taking bids due May 26th, 8 P. M.

Residence, Cedar Run Farms, Chester County, Pa. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, Richard Toland, on premises. Brick, cut stone, stone, 2½ stories, 123x30 feet (plumbing, heating, electric light, variegated slate roof, oak and pine floors, metal lath, tile work, waterproofing, ornamental iron work, flagstone. Architects taking bids due May 21st.

Parochial School, Priceburg, Pa. Architect, A. I. Prawdzik, 821 Moosic street, Scranton, Pa. Owners, St. Mary's Roman Catholic Church, Rev. Szpatauski, Priceburg, Pa. Brick and hollow tile, 2 stories and basement, 125x300 feet. Architect taking bids due May 25th.

Parochial School, Reading, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. Margaret's Roman Catholic Church, Rev. P. W. J. McShane, Reading, Pa. Granite, steel, 2 stories, 70x168 feet, built-up roof, maple floors, safety treads, roof ventilators (heating, plumbing and electric work reserved). Owners taking revised bids due May 27th at 6 P. M.

Theatre and Club, White Haven, Pa. Architects, J. A. and D. F. McGlynn, Simon Long Building, Wilkes-Barre. Owners, American Legion, care of Andrew Funke, White Haven, Pa. Brick, hollow tile and stucco, 2 stories, 45x90 feet, slag roof, pine floors, roof ventilators, ornamental iron work, iron stairs, metal lath, steam heat, electric light. Architects taking bids due May 22nd.

Store, South Main street, Wilkes-Barre, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre. Owner, name withheld. Brick and stucco, 3 stories, 25x150 feet, slag roof, tile and maple floors, metal ceilings, general interior alterations, steel skylights, tile and marble, electric light. Architects taking bids due May 26th.

Residence (alts.), West Conshohocken, Pa. Architect, Louis Rush, Middle City Building, Philadelphia. Owner, William B. Read, West Conshohocken, Pa. Stone work, structural steel, carpentry and mill work, hardware, plastering, stucco work, tile and marble work, painting and glazing, electric work, plumbing and heating (alts.). Architect taking bids due May 21st.

Laundry (add.), Wilkes-Barre, Pa. Architects, Mack & Sahn, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Hessler Laundry Co., 163 North Main street, Wilkes-Barre. Brick, steel, 2 stories, 37x54 feet, built-up roof, reinforced concrete floors, steam heat, electric light, steel sash, fire doors, iron stairs. Architects taking bids due May 28th.

Polo Stables, Bala, Pa. Architect, Ralph E. White, Otis Building, Philadelphia. Owners, Philadelphia Country Club, Bala, Pa. Cinder concrete block, stucco, 1 and 2 stories, 233x22 feet, 4 buildings, 21x111 feet, asphalt shingle roof, composition floors, painting and glazing, hardware, shoring, waterproofing, metal partitions, stable fittings, plumbing, wrought iron pipe. Architect taking bids due May 22nd, 2 P. M.

School No. 2 (alts. and add.), Forest City,

Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Forest City School Board, J. J. Cleary, secretary, Forest City. Frame, 2 stories, 4 rooms. Owners taking bids due May 29th.

Store, Scranton, Pa. Architects, E. H. Davis and George M. D. Lewis, Union Bank Building, Scranton. Owners, Scranton Dry Goods Co., Lackawanna and Wyoming avenues, Scranton, Pa. Architects will take bids on plumbing in ten days.

Newspaper Plant, Scranton, Pa. Architects, E. H. Davis and George M. D. Lewis, Union Bank Building, Scranton. Owners, Scranton Times, Spruce street, Scranton, Pa. Will take bids on heating, plumbing and electric work in ten days.

Power Plant, Doylestown, Pa. Engineer, J. M. Sewell, 1822 Ludlow street, Philadelphia. Owners, Bucks County Commissioner, Doylestown, Pa. Low bidders on heating and ventilating. Donald B. Richards, Richlandtown, Pa., \$11,452; Rufe Brothers, Doylestown, Pa., \$11,955.

Church Abington, Pa. Architects, Druckenmiller & Williams, 1537 Chestnut street, Philadelphia. Owners, Abington Presbyterian Church, Abington, Pa. Architects taking bids due May 23rd.

Fire Houses (2), Diamond and Cleveland streets and Verner and East Court streets, Hazleton, Pa. Architect, John B. Thompson, 34 South Seventeenth street, Philadelphia. Owners, City of Hazleton, Hazleton, Pa. Brick, limestone, 2 stories and basement, 30x70 feet (each), built-up roof. Owners taking bids due May 26th.

Pennsylvania Contracts Awarded

Garage, Lackawanna avenue, Scranton, Pa., \$350,000. Architect, Lester Merritt Davis, 616 Spruce street, Scranton, Pa. Owners, Hotel Casey, P. J. Casey, Scranton, Pa. Brick, steel, concrete, 4 stories, 120x160 feet, composition roof, cement floors, hollow tile, roof ventilators, waterproofing, ornamental iron work, floor hardener, hollow metal doors, rolled steel sash, hollow metal skylights (plumbing, heating and electric work reserved). Contract awarded White Const. Co., Jefferson Building, Philadelphia.

Masonic Home, Coatesville, Pa. Architect, George F. Savage, Witherspoon Building, Philadelphia. Owners, F. and A. H. Building Co., G. E. Dutrich, Bank Building, Coatesville. Brick, concrete, limestone, 2 stories and basement, 108x54 feet, steam heat, electric light, metal lath, tile work, rolled steel skylights, bond, ornamental iron work, slag roof, maple and cement floors, cast iron pipe. Contract awarded W. J. Elliot, Coatesville, Pa.

Church, North Queen street and Clay street, Lancaster, Pa. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Otterbein United Brethren Church of Christ, Lancaster. Stone, reinforced concrete, 1½ stories, 69x57 feet, composition and Vermont slate roof, mineral and pine floors, plumbing, ornamental iron work, bond, metal lath, steam heat, electric light. Contract awarded D. S. Warfel, Lancaster, Pa.

Twin Residences (1 pair), Drexel Hill, Pa. Architect, private plans. Owner, William McPeak, Drexel Hill, Pa. Frame and stucco, 2½ stories, 18x40 feet, asphalt shingle roof, cement and hardwood floors, hot water heat, electric light, tile work. Contract awarded J. T. Murphy, 1712 North Second street, Philadelphia, who is taking sub-bids due at once.

Residence (alts. and add.), Wynnewood, Pa. Architect, R. Brognard Okie, 306 South Smedley street, Philadelphia. Owner, Dr. Thomas G. Ashton, on premises. Stone masonry, brick work, cement and concrete, dampproofing,

carpentry and mill work, slate roofing, metal lath, plastering, tile work, painting and glazing metal sash, iron work, hardware, metal weather stripping, plumbing, electric dumb waiter, electric work. Contract awarded C. C. Eddleman, 1627 Sansom street, Philadelphia.

High School (alts. and add.), Susquehanna, Pa. Architect, J. A. Barrett, Bowman Building, Scranton, Pa. Owners, School Board of Susquehanna, care of architect. Semi-fire-proof, reinforced concrete, brick, steel, 3 stories, 33x164 feet, slag roof, maple floors (heating, plumbing and electric work separate bids), metal lath. Contract awarded to A. E. Badgley, Binghamton, N. Y.

Church, Wanamie, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre. Owners, St. Mary's Lithuanian Church, Rev. J. Millianska, Wanamie, Pa. Brick, steel, 1 story and basement, 39x95 feet, asbestos shingle roof, pine floors, steam heat, electric light, metal lath. Contract awarded to Berwick Lumber & Supply Co. Berwick, Pa.

Store and Apartment, South River street, Wilkes-Barre, Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owner, Louis Cohen, care of architect. Brick, steel, 3 stories, 25x60 feet, slag roof, oak floors, steam heat, electric light, tile and marble work, iron stairs, iron work. Contract awarded to M. L. Roth, 297 South Main street, Wilkes-Barre, Pa.

Garage, Lancaster, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owner, H. Ziegler, care of architect. Cinder block or brick and structural steel, 1 story, 75x150 feet, built-up roof, concrete floors, electric light, floor hardener. Contract awarded to W. I. Aierstock, 34 East Chestnut street, Lancaster.

Residence and Garage, Glenside, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, Harry Renninger, Glenside, Pa. Stone, 2½ stories, 27x56 feet, 2 stories, 20x22 feet, variegated slate roof, hardwood floors, hot water heat, electric light, tile work, cement work. Contract awarded Albert Zellfelder, 1324 Walnut street, Philadelphia.

Church and Sunday School, Swarthmore, Pa. Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owners, Swarthmore Methodist Episcopal Church, Swarthmore, Pa. Stone, 1 story, 123x70 feet, steam heat, electric light, maple floors, slate roof, plumbing, miscellaneous iron work, stained glass. Contract awarded Stofflet & Tillotson, Wesley Building, Philadelphia.

Residence, Royersford, Pa. Architect, J. V. Poley, 162 Second avenue, Royersford, Pa. Owner, Howard S. Brunner, 457 Main street, Royersford, Pa. Cement block and stucco, 2 stories, 26x30 feet, asbestos roof, oak and tile floors, wood and steel sash (heating, plumbing and lighting reserved). Contract awarded to F. P. Huber, Parkerford, Pa.

Residence and Garage, Rydal, Pa. Architect, C. A. Ziegler, 1309 Locust street, Philadelphia. Owner, Arthur A. Neisson, Abbotts Building, Philadelphia. Stone, cut stone, limestone, 2½ stories, 76x38 feet, shingle roof, oak and pine floors, plumbing, hot water heat, electric light, metal lath, tile work. Contract awarded E. Allen Reeves, Abington, Pa.

Church (rebuilding), Parsons, Pa. Architect, H. G. Cook, Jr., Miners' Bank Building, Wilkes-Barre. Owners, Welsh Baptist Church of Laurel, Rev. Grover C. Walters, Parsons, Pa. Fire rebuilding, brick, 1 story and basement, 46x90 feet. Contract awarded to O. J. Behrens & Son, Wilkes-Barre, Pa. Heating to Fred L. James, Parsons, Pa. Electrical to W. E. Burland, Forty Fort, Pa.

Residence, Haverford, Pa. Architects, McIlvaine & Roberts, Otis Building, Philadel-

phia. Owner, James Carstairs, Haverford, Pa. Contract awarded Metzger, Fisher & White, Otis Building, Philadelphia.

Residence and Garage, Latham Park, Pa. Architect, Conrad Neff, Twelfth and Locust streets, Philadelphia. Owner, Mrs. Ladow, Latham Park, Pa. Cinder block, cut stone, brick, 2½ stories and 1½ stories, 41x35 feet, garage 18x23 feet (electric, heating and plumbing reserved), slate (green) roof, oak floors, wire lath, tile and marble work, bond, ornamental iron work. Contract awarded W. P. Cameron Eng. Co., 1524 Chestnut street, Philadelphia.

Garage, Bala, Pa. Architect, Frank Seeburger, 1524 Chestnut street, Philadelphia. Owner, I. Frank Perry, on premises. Stone, 1½ stories, 24x20 feet (plumbing reserved), electric light, shingle roof, cement floors. Contract awarded J. Howard Roberts, Lansdowne, Pa.

George Philips Memorial Auditorium, West Chester, Pa. Architects, Price & Walton, 119 South Fourth street, Philadelphia. Owners, West Chester Normal School, R. Anderson, West Chester, Penna. Contracts awarded to V. Gondos, Reading, Pa., \$265,100; heating and ventilating, Borden & Co., 637 North Nineteenth street, \$28,060; plumbing, S. Faith, 2427 Pennsylvania avenue, \$5,900; electric, E. F. Higgins, Wilmington, Del., \$8,600.

Residence, Olyphant, Pa., \$20,000. Architect A. I. Prawdzik, 821 Moosic street, Scranton, Pa. Owner, Dr. Joseph Carr, Olyphant, Pa. Frame, 2½ stories, shingle roof, hardwood floors (plumbing, heating and electric work reserved). Contract awarded to Peek Lumber & Mfg. Co., Olyphant, Pa.

Parish Hall, Dunmore, Pa., \$25,000. Architect, A. I. Prawdzik, 821 Moosic street, Scranton, Pa. Owners, All Saints' Slovak Roman Catholic Church Dunmore, Pa. Stone, 1 story, 53x120 feet, slate roof (heating, plumbing and electric work reserved). Contract awarded to Joseph A. Potosko, Minooka, Pa.

Residence and Garage, Manoa Park, Delaware County, Pa. Architect, Charles C. Schweiker, 29 Garfield avenue, Manoa Heights, Delaware County, Pa. Owner, F. La Vere Lukens, Washington avenue, Manoa Heights, Delaware County, Pa. Stone, frame, stucco, 2½ stories, 27x26 feet, shingle roof, pine floors, hot water heat, electric light. Contract awarded George Shadel, Bon Air, Delaware County, Pa.

Residence, Lansdowne, Pa., \$23,000. Architect, Philip S. Tyre, 1505 Arch street, Philadelphia. Owner, Mrs. Emma A. Mathews, care of architect. Stone, hollow tile, stucco, 2½ stories, irregular, hot water heat, electric light, shingle roof, oak and pine floors. Contract awarded F. K. Wilkinson, 10 Ridley avenue, Alden, Delaware County, Pa.

Residence, Scranton, Pa. Architect, G. T. Price, Miller Building, Scranton, Pa. Owner, A. Barcardi, care of architect. Frame and stucco 2½ stories, 28x36 feet, shingle roof, hardwood floors, steam heat, electric light, tile work. Contract awarded to S. Palumbo, 537 Linden street, Scranton, Pa.

Sunday School, Wyoming, Pa. Architect, T. H. Atherton, Coal Exchange Building, Wilkes-Barre. Owners, Wyoming Methodist Episcopal Church, Board of Trustees, care of architect. Brick, 2 stories, 60x60 feet, slag roof, pine floors, steam heat, electric light. Contract awarded to Curtis Co., 1 Hickory street, Wilkes-Barre.

Bridge, South of Pottsville, Pa. Owners, Philadelphia & Reading Railroad Co., Twelfth and Market streets, Philadelphia. Four track, concrete and I beam, over State Highway No. 141, replacing 2-span box. Contracts awarded: Concrete masonry, Bennett & Randall, Lebanon, Pa.; steel McClintock-Marshall, Morris Building, Philadelphia. Waterproofing, Benjamin Foster, Twentieth and Venango streets, Philadelphia.

New Jersey Construction News

Bulk Head Protection, Woodbury, N. J. Engineer, W. H. Boardman, 526 Walnut Street, Philadelphia. Owner, City of Woodbury, Clinton F. Davis, Woodbury N. J. Certified check \$200 or bidders bond. Owner taking bids due May 26th 8 P. M. (D. L. S.) at meeting of City Council, City Hall, Woodbury, N. J. (Council Chamber).

Residence, 813 Lois Avenue, Camden, N. J., \$3,500. Architect, private plans. Owners, Davis Bros., 901 North Thirty-first Street, Camden, N. J. Frame, 1 story, 24x34 feet, ruberoid strip roof, pine floors, hot air heat, electric light. Owner will build.

Residences (3), 1158-64-68-72 Beideman Avenue Camden N. J. Architect, private plans. Owner, Denis J. Carol, 1121 N. 31st Street, Camden, N. J. Frame, 1½ stories, 24x34 feet, ruberoid roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (3), 930-32-34 North Thirty-second street, Camden, N. J., \$13,500. Architect, private plans. Owner, Heller Bros., 1015 N. 35th Street, Camden, N. J. Block and stucco, 2 stories, 16x45 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Brigantine Hotel, Atlantic City, N. J., \$80,000. Architects, McLanahan and Benckert, Bellvue Court Building, Philadelphia. Owners, Atlantic & Brigantine Hotel & Pier Co., Atlantic City, N. J. Stone, steel, concrete, brick, terra cotta. Work contemplated. Sketches drawn.

Residence, Haddonfield, N. J. Architect, H. S. Stees, Beverly, N. J. Owner, Collins B. Rogers, Drexel Building, Philadelphia. Brick, stucco, 2½ stories, 40x27 feet, tile roof, oak and pine floors, hot water heat, electric light, tile work. Owner taking sub-bids.

Store (add.), Kentucky and Atlantic avenues, Atlantic City. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owners, Kensington Carpet Co., on premises. Brick, steel, 6 stories, 20x100 feet. Plans in progress.

School, Brigantine Beach, N. J. Architect, J. V. Mathis, Guarantee Trust Building, Atlantic City. Owners, Brigantine City School Board, care of Ideal Development Co., 1201 Atlantic avenue, Atlantic City. Brick, 1 story and basement. Plans in progress.

Residence, Chelsea, N. J. Architect, D. A. Rosenstein, Humphreys Building, Atlantic City. Owner, H. N. Yarmov, care of architect. Brick, stucco, 2½ stories, 35x37 feet, tile roof, hardwood floors, hot water heat, electric light. Sketches in progress.

Residence, Ventnor, N. J. Architect, D. A. Rosenstein, Humphreys Building, Atlantic City. N. J. Owner, J. F. O'Neill, care of architect. Hollow tile and stucco, 2½ stories, 26x43 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Sketches in progress.

Show Room and Service Station, Atlantic City, N. J. Architect, C. H. Adams, Chelsea Bank Building, Atlantic City, N. J. Owner, name withheld. Brick, steel, 1 story, 167x190 feet, slag roof, concrete floors, steam heat, electric light, rolled steel sash. Plans in progress.

Dairy Building, Atlantic City, N. J. Engineer, William E. Timms, Perry Building, Philadelphia. Owners, Wilson Dairy Co., 6 South New York avenue, Atlantic City, N. J. Brick and concrete. Details undecided. Plans in progress.

Pennsylvania Hotel, Pennsylvania avenue near Boardwalk, Atlantic City, N. J. Architects, Ritter & Shay, Packard Building, Phil-

adelphia. Owner, Nur J. Collins, care of architect. Brick, electric light, concrete floors. Plans in progress. (Note architects.)

Junior High and Grade School (alts. and add.), Atlantic City. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City. Owners, Atlantic City School Board, H. H. Young, secretary, Atlantic City, N. J. Mechanical equipment, electric work, heating, refrigeration, kitchen equipment, roof ventilators, general construction, repairs. Owners will take bids in one week.

Apartment and Store, Atlantic City, N. J. Architect, C. H. Adams, Chelsea Bank Building, Atlantic City. Owner, John Sobczyk, care of architect. Brick, steel, 3 stories, 20x97 feet, slag roof, hardwood and rubber floors, hot water heat, electric light, metal lath, tile and marble work. Will be ready for bids at end of week.

Million Dollar Pier (add.), Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, Associated Realty Co., care of architect. Fireproof, 1 story, 200x40 feet, fireproof roof, tile and concrete floors, hollow tile, architectural terra cotta, ornamental iron work, metal lath, electric light. Architect will be ready for bids in three weeks.

Post Office Building, Vineland, N. J. Architect, J. A. Wetmore, Treasury Department, Washington, D. C. Owners, United States Treasury Department, Washington, D. C. Brick, 1 story, 68x60 feet. Architects taking bids due June 11th at 3 P. M.

Buildings, Vineland, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, State Home for Feeble Minded Women, Vineland, N. J. Plumbing and heating. Architects taking bids due May 26th.

School, Park avenue, Woodbury, N. J. Architects, Hill & Gollner, Broad Street Bank Building, Trenton, N. J. Owners, School Board of Depford Township, Woodbury, N. J. Cement block, 1 story, 2 rooms, shingle roof, pine floors. Low bidders: George W. Shaner & Son, Palmyra, N. J.

High School, Lambertville, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton. Owners, Lambertville Board of Education, Lambertville, N. J. Brick, steel, 2 stories and basement, 60x80 feet, slate roof, pine floors, hollow tile, safety treads, roof ventilators, ornamental iron work, bond, fire doors, metal lath (heating, plumbing and electric separate). Owners taking new bids due June 1st.

Church, Broad street, Swedesboro, N. J. Architect, Fred J. Schwartz, Woolworth Building, New York City. Owners, St. Joseph's Roman Catholic Church, Rev. J. P. Burke, on premises. Brick, cast stone, steel, 1 story and basement and gallery, 96x52 feet, slag and slate roof, cement and pine floors, electric light, metal lath, ornamental iron work. Architect taking bids due May 25th.

Store and Apartment, Margate City, N. J. Architect, D. A. Rosenstein, Humphrey Building, Atlantic City. Owners, F. J. Pedrick & Son, 1415 Atlantic avenue, Atlantic City, N. J. Brick, 2 stories, 60x80 feet, slag and tile roof, hardwood floors, hot water heat, electric light, tile and marble work. Owners will build.

Residences (3), (2) 3265-3270 Pleasant street, and (1) 3319 Remington street, Camden, N. J., \$3,500 each. Architect, private plans. Owner, William F. Todd, 952 North Thirty-third street, Camden, N. J. Frame, 1½ stories, 24x34 feet, asphalt shingle roof, pine floors, hot air heat, electric light. Owner will build.

Hospital Building (Contract No. 521), Asyla, N. J. Architect, Walter W. Sharpley, 225 Washington Square, Philadelphia. Own-

ers, County of Camden, Board of Chosen Freeholders, Insane Hospital Commission, Court House, Camden, N. J. Low bidders: J. S. Rogers, Drexel Building, Philadelphia, \$73,260. Plumbing, William Newell & Son, 1707 Sansom street, Philadelphia, \$35,914. Heating, J. H. Hutchinson, 1020 Callowhill street, Philadelphia, \$30,955. Electric, Strang Elec. Co., 214 South Seventh street, Philadelphia, \$10,373. Lighting fixtures, Strang Elec. Co., 214 South Seventh street, \$1,624.

Building (Contract No. 520), Asyla, N. J. Architect, Walter W. Sharpley, 225 Washington Square, Philadelphia. Owners, County of Camden, Board of Chosen Freeholders, County Farms Committee, Camden, N. J. Low bidders: J. S. Rogers, Drexel Building, Philadelphia, \$250,490. Plumbing, N. Connolly, 2404 North Eighteenth street, Philadelphia, \$20,992. Heating, J. H. Hutchinson, 1020 Callowhill street, Philadelphia, \$13,997. Electric, Strang Elec. Co., 214 South Seventh street, Philadelphia, \$6,567. Fixtures (electric), Strang Elec. Co., 214 South Seventh street, \$843.

Buildings (alt. to old), Asyla, N. J. Architect, W. W. Sharpley, 225 Washington Square, Philadelphia. Owners, County of Camden, Board of Chosen Freeholders, Camden, N. J. Heating, low bidders, Laycock & Burns, 3038 Chestnut street, Philadelphia, \$38,287. Plumbing, D. J. Keating, 2042 Rittenhouse street, Philadelphia, \$25,543.

City Hall (alts. and add.), Somers Point,

Steel **FLAG POLES** Wood

JOHN E. LINGO & SON
CAMDEN, N. J.

BUILDERS SUPPLIES
CAMDEN MATERIALS
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1345-51 PINE STREET
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CEMENT
SAND PEBBLES
LIME SLAG
PLASTERING MATERIALS
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MARBLE TILE
MOSAIC and CERAMICS

Camden Tile Co.
1484 Bradley Avenue
CAMDEN, N. J.

BELL PHONE, CAMDEN 3827 W

N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owners, City of Somers Point, care of City Clerk, Somers Point, N. J. Brick, stucco, 2 stories, 39x29 feet, clay tile roof, hardwood floors, steam heat, electric light, tile and marble work. Lowest bidder: J. Yates Atlantic City, N. J.

Bridges (2), New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. (1) Reinforced concrete, steel, 10-foot span, 30-foot roadway, Route 15, Section 8, over Fishing Creek, Middle Township, Cape May County. (1) Reinforced concrete and steel, approach fills, 33-foot span, 30-foot roadway, Route 15, over West Creek, Maurice River and Dennis Townships, Cumberland and Cape May Counties. Owners taking bids due May 25th at 11 A. M., Standard Time. Deposit of \$10. Certified check.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Mercer County, Route 2, Section 7, bituminous concrete surface, bituminous concrete patching. Passaic and Morris Counties, Route 8, Section 6, Newfoundland to Stockholm. Excavation, rock, excavation, borrow, double line reinforced concrete pavement. Owners taking bids due May 25th at 11 A. M., Standard Time. Deposit of \$10 required. Certified check.

New Jersey Contracts Awarded

Residences and Stores (3), 1104-06-08 Kaighn Avenue, Camden, N. J., \$20,000. Architect, H. H. Kline, Bulletin Building, Philadelphia. Owner, Samuel Butler, 1100 Kaighn Avenue, Camden, N. J. Brick, 2 stories, 18x64 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Jas. S. Furman Woodlynne, N. J.

Residence, 224 South Twenty-seventh St., Camden, N. J., \$6,000. Architect, private plans. Owner, Daniel Smith, 2911 Mickel Street, Camden, N. J. Block and stucco, 2 stories, 25x31 feet, slate surface roof, hot water heat, electric light, hardwood and pine floors. Contract awarded to Ellsworth Applebee, 438 Benson Street, Camden, N. J.

Church, Vineland, N. J. Architects, Mills & Van Kirk, Harrison Building, Philadelphia. Owners, Church of the Pilgrim, Rev. J. McMillan, Vineland, N. J. Brick, limestone, 1 story, basement and sub-basement, 47x83 feet, slate roof, vapor heat, electric light, painting and glazing, pipe organ, pews, tile work, plumbing, mill work, cabinet work, grading, terracing, cement work, expanded metal. Contract awarded Charles H. Booker, 2257 North Uber street, Philadelphia.

Residence and Garage (Type D), Brigantine Beach, N. J. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owners, Four Island Development Co., care of J. Haywood, 1201 Atlantic avenue, Atlantic City, N. J. Hollow tile, cement block, stucco, 2½ stories, tile work, tile roof, hardwood floors, hot water heat, electric light. Contract awarded S. A. Lippincott, 5 South Iowa avenue, Atlantic City.

Bungalows (Type A and C), Brigantine Beach, N. J. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owners, Four Island Development Co., care of J. Haywood, 1201 Atlantic avenue, Atlantic City, N. J. Concrete block, stucco, 1½ stories, tile roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded Atlantic Const. Co., Atlantic City, N. J.

Office Building, Brigantine Beach, N. J. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, William F. Shore, Chelsea Bank Building, Atlantic City, N. J. Cement block, stucco, 1 story, 41 feet 6 inches x 27 feet, tile roof, electric. Contract awarded Atlantic City Const. Co., Atlantic City, N. J.

Office Building, Brigantine Beach, N. J. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, H. G. Harris, Atlantic City, N. J. Cement block and stucco, tile roof, electric light, 1 story. Contract awarded to Atlantic City Const. Co., Atlantic City.

Schools (2), Clarksboro, N. J., and Mickleton, N. J. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Greenwich Township School Board, I. H. Davidson, care of Colonial Trust Co., Thirteenth and Market streets, Philadelphia. Contracts awarded: Item 1, Clarksboro; 2, Mickleton: W. A. Sutton, Salem, N. J., (1, \$35,923; 2, \$38,976. Electric, Dalton Brothers, care of owners 1, \$491.60; 2, \$661. Plumbing, J. W. Mathews, Audubon, N. J. Heating, Deckman Heating, Power & Refrigerating Co., Woodlynne, N. J.

School No. 3 (add.), Audubon, N. J. Architect, A. H. Moses, Temple Building, Camden, N. J. Owners, Board of Education, Oak street and Oakland avenue, Audubon, N. J. Brick, reinforced concrete, steel, 2 stories, 37x83 feet, built-up roof, maple, mastic and cement floors, roof ventilators, bond, metal lath (plumbing, heating and electric and ventilating separate). Contract awarded to George W. Shaner & Son, Palmyra, N. J., \$33,900.

Residence, Merchantville, N. J. Architect, H. S. Stees, Beverly, N. J. Owner, Edward B. Humphreys, Camden, N. J. Hollow tile, stucco, 2½ stories, tile roof, oak and pine floors, hot water heat, electric light, tile work, ornamental iron work. Contract awarded Collins B. Rogers, Drexel Building, Philadelphia, who is taking sub-bids.

Residences and Garages (6), 1145-47-51-53-57-59 Magnolia avenue, Camden, N. J., \$30,600. Owner, Benjamin Natal, 1250 Kaighn avenue, Camden, N. J. Brick, 2 stories, 14x41 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Costanza Brothers, 1338 Sheridan street, Camden.

Residence, 3265 River road, Camden, N. J., \$11,400. Architect, private plans. Owners, O. W. and Elizabeth Twigg, care of builders. Brick, 1 story, 30x60 feet, asbestos shingle roof, hardwood and pine floors, hot air heat, electric light, tile work. Contract awarded to Rubright & Reber, 993 North Twenty-third street, Camden.

Residences (2), 2715-17 Cleveland avenue, Camden, N. J., \$7,700. Architect, private plans. Owner, W. B. Sweeten, Haddonfield, N. J. Frame, 2 stories, 14x50 feet, slag roof, pine floors, hot air heat, electric light. Contract awarded to Daniel Phillips, Oaklyn N. J.

Miscellaneous Construction News

Garage and (6) Stores, location withheld. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, name withheld. Brick, steel, 1 story, 110x180 feet (1150-car capacity), steam heat, electric light, slag roof, cement floors. Plans in progress.

Sibley Maternity Hospital, Washington, D. C. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Berkley Hospital, Washington, D. C. Reinforced concrete, brick, facing stone. Ready for bids in a few days.

Residence, Winston-Salem, N. C. Owner, Irving S. Bull, Winston-Salem, N. C. Stone, hollow tile, 2½ stories. Owner will plan and build. (Note change.)

Miscellaneous Contracts Awarded

Elk's Home, Wilmington, Del., \$156,000. Architect, C. R. Hope, DuPont Building, Wilmington, Del. Owners, Wilmington Lodge of Elks, care of Architect. Brick, steel, 3 stories, 50x90 feet, slag roof, oak floors, hollow tile, elevators, safety treads, roof ventilators, metal lath, tile, ornamental iron, iron stairs, (plumbing, heating, electric, separate). Contract awarded to John E. Healy & Co., 707 Tatnall Street, Wilmington, Del.

Proposal

SCHOOL DISTRICT OF READING, PA. PROPOSALS FOR THE ERECTION AND COMPLETION SENIOR HIGH SCHOOL BUILDING, THIRTEENTH AND DOUGLASS STS.

Reading, Pa., May 4, 1925.

Sealed proposals will be received by the Board of School Directors of the School District of the City of Reading, Pa., until Tuesday evening, May 26, 1925, eight o'clock Standard time, for the erection and completion of a Senior High School Building to be erected at Thirteenth and Douglass Streets, Reading, Pa.

The proposals shall be submitted separately for the building proper, heating and ventilating, plumbing and drainage, and electric work.

An acceptable Surety Co. bid bond, equal to ten per cent. of the aggregate amount of the bid must accompany each proposal to guarantee acceptance of contract, if awarded.

A Surety Company bond equal to the total amount of each bid will be required of the successful bidders.

Plans may be viewed at the office of the Architects, Ritcher and Eiler, 147 North Fifth St., Reading, Pa. Plans may be secured there also upon application accompanied by a \$100.00 deposit for the General plans, \$80.00 of which will be returned when plans are returned to said office; and \$50.00 deposit for each of the Heating and Ventilating, Plumbing and Electric Work plans, \$35.00 of which will be returned when plans are returned to said office.

The above deposits are made to insure receipt of a proposal, and in the event of no bid being received the entire amount of deposit will be forfeited.

The Board of School Directors reserves the right to reject any or all proposals or to award the contracts in such a manner as may appear to be to the best interest of the School District. All proposals are to be submitted in compliance with the conditions set forth on the plans and specifications.

OSCAR B. HEIM, Secretary.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., May 14, 1925. Sealed Proposals will be opened in this office at 3 P. M., June 11, 1925, for the construction of a one-story, brick faced, non-fireproof Post Office Building, approximately 68 by 60 feet in size, at Vineland, N. J. Drawings and specifications may be obtained from the Custodian of the site at Vineland, N. J., or at this office, in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

Reference Directory for Architects, Builders and Owners

ARTESIAN WELLS.

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS AND ARCHITECTS' SUPPLIES.

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

ASPHALT CONSTRUCTION.

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Weber, F., Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

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Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

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Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.

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Holloway Corporation.105-107 S. Third St., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS.

Mitchell Bros.2125 Race St., Phila.

BUILDING NEWS.

Daily Building News.Perry Bldg., Phila.

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CEMENT WORK.

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Massiah, Frederick. Juniper and Cypress Sts., Phila.

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COLUMNS (Metal).

Pearce Fireproof Co.1911 N. 2nd St., Phila.

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CONCRETE WORK.

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Massiah, Frederick. Juniper and Cypress Sts., Phila.

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Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

CURTIS WOODWORK.

Gillingham Co.Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS.

Building News Pub. Co.Perry Bldg., Phila.

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Barnett Bingswanger.829 N. 3rd St., Phila.

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Well, J. H., Co.1315 Cherry St., Phila.

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McCarriek Bros.3138 N. 24th St., Phila.

Morrissey Bros.4345 N. 7th St., Phila.

FENCES.

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co.Erie Ave. & "D" St., Phila.

Reisbord, Wolf.4437-43 Ludlow St., Phila.

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Fleck Bros.44 N. 5th St., Phila.

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Thomson, Wm., Inc.64 N. 2nd St., Phila.

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F. R. Rosen.5216 Walnut St., Phila.

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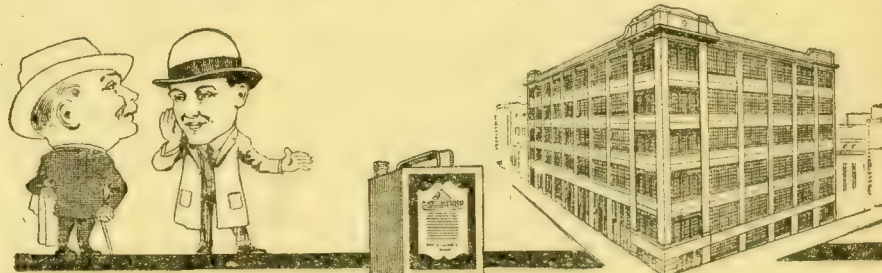
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BUILDING PAPER

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Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XL, No. 21

May 27, 1925

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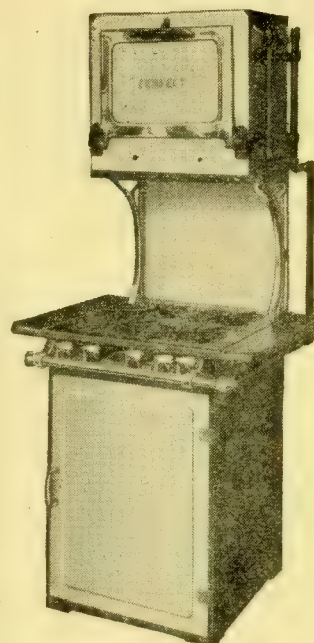
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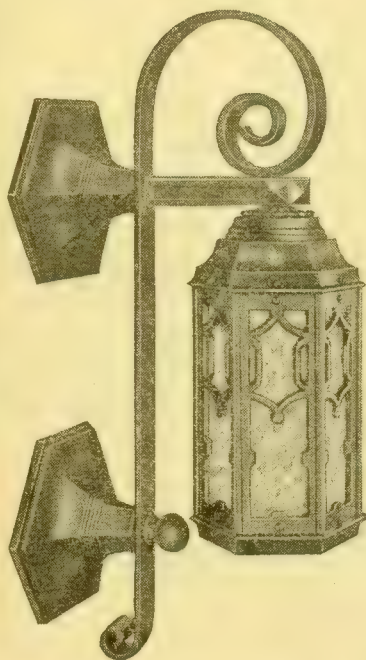
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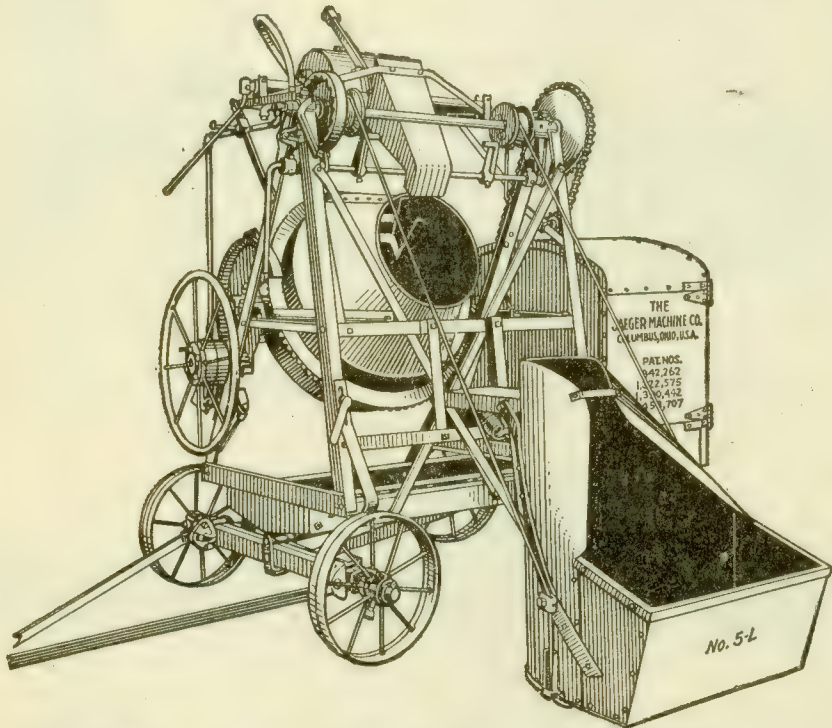
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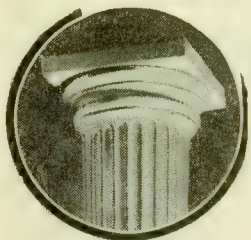
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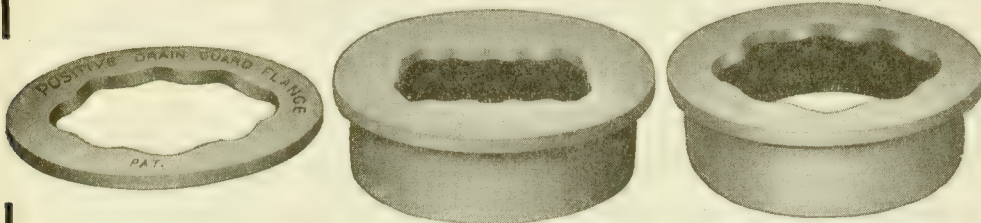
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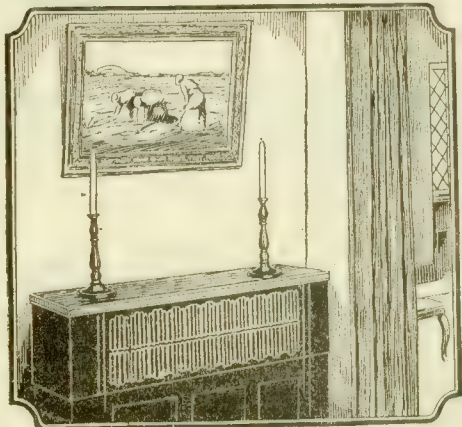
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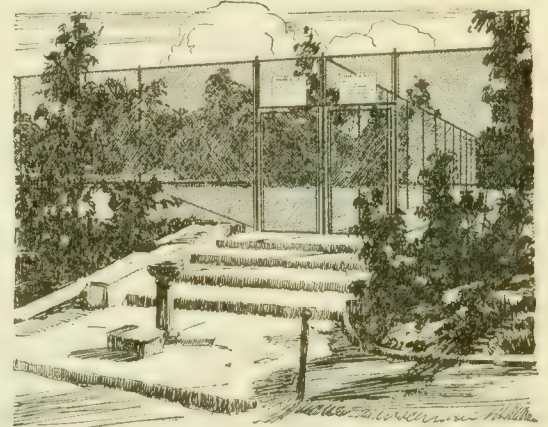
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Engineering and the Building Trades

VOLUME XL
Number 21

PHILADELPHIA
May 27, 1925

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CONTEMPLATED CONSTRUCTION: ARCHITECTS AND OWNERS: COST LIMIT: LAST DAYS FOR FILING BIDS:
CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED: ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Laundry Building, Northwest Corner Seventeenth and Cayuga streets, Philadelphia, \$65,000. Architect, Julian S. Simsohn, Broad and Girard avenue, Philadelphia. Owners, Holland Laundry Co., on premises. Reinforced concrete, brick, steel, 2 stories, 128x82 feet, slag roof, cement floors, hollow tile, rolled steel sash. Contract awarded to Farrel-Roth Const. Co., 1624 Spruce Street, Philadelphia.

Residence (operation), Thirty-first and Westfield avenue, Camden, N. J. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Hitchner & Todd, Camden, N. J. Brick, 2 stories, 15x26 feet, slag roof, pine floors, pipeless heat, electric light. Owners ready for sub-bids.

Stores and Apartments (6) Lebanon and Edgmore avenue, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Samuel Zusin, 4917 Sansom street, Philadelphia. Brick, 2 stories, 16x55 feet, tile and slag roof, hardwood floors, hot water heat, electric light, tile and marble work, hollow metal sash, plate glass, metal bulks. Owner taking sub-bids.

Swimming Pool, Sixteenth and Ruffner streets, Philadelphia. Architect, Peter F. Getz, Victory Building, Philadelphia. Owners, Department of Public Works, Bureau of Recreation, 595 City Hall. General construction, including plumbing and electric work. Owners taking bids due June 4th, 11 A. M. (Standard Time. Certified check 5 per cent. of amount of bid must accompany each bid.

Residences (11), North side Conlyn street, East of Ogontz avenue, \$62,000. Architect, private plans. Owner, Dr. C. E. Apple, 1509 Sixty-eighth avenue, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light.

Owner will build.

Residence, West side Edgemont street, North of Lefevre, \$4,900. Architect, private plans. Owner, Felix Tatko, 5103 Edmond street, Philadelphia. Brick, 2 stories, 16x48 feet, slag roof, pine floors, electric light, hot water heat. Owner will build.

Residence, South side Wellington street, West of Frontenac, \$4,000. Architect, private plans. Owner, John Settle, 1110 Fillmore street, Philadelphia. Frame, 2 stories, 22x34 feet, shingle roof, electric lighting, pine floors. Owner will build.

Public Comfort Station, including Cement Wall, Pleasant Hill Bathing Beach, Philadelphia. Engineers, Albright & Mebus, 1502 Locust street, Philadelphia. Owners, Department of Public Welfare, Bureau of Recreation, 595 City Hall. Construction of public comfort station, including cement wall, steps and wire fence. Owners taking bids due June 4th. Certified check 5 per cent. of amount of bid must accompany each bid. Subject to appropriation.

Bank Building, 1244 East Cheltenham avenue, Philadelphia. Architect, not yet selected. Owners, Saving Fund Society, Germantown and School Lane, Philadelphia. Work contemplated.

Hospital, Eighth and Spruce streets, Philadelphia, \$200,000. Architects, Zantzinger, Borrie & Medary, Otis Building, Philadelphia. Owners, Pennsylvania Hospital, on premises. Sketches drawn. Too early for details.

Hospital Building, Forty-eighth to Fortyninth, Market to Haverford, Philadelphia, \$200,000. Architect, Arthur H. Broekie, 254 South Fifteenth street, Philadelphia. Owners, Pennsylvania Hospital, Department for Mental and Nervous Diseases, Dr. Owen Copp, superintendent, on premises. Plans about completed.

Basement Stores (3), Southeast Corner Fifty-second and Chestnut streets, Philadelphia. Architect, Max A. Bernhardt, 721 Walnut street, Philadelphia. Owner, N. Bursten, Sixty-third and Walnut streets, Philadelphia. Alteration to residence. Brick work, 1 story, 20x80 feet. Plans in progress.

Parochial School (superstructure), Wissinoming, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Bartholomew's Roman Catholic Church, Rev. Joseph J. Scanlon, on premises. Stone, limestone, reinforced concrete, steel, 3 stories. Plans in progress.

Auto Show Room and Garage, Twentieth and Moore streets, Philadelphia, \$100,000. Architect, W. L. Charr, Victory Building, Philadelphia. Owner, Benjamin Conpon, care of architect. Steel, stone, brick, 2 stories, 66x130 feet, fireproof roof, concrete floors, elevators, roof ventilators, metal window guards, metal ceilings, ornamental iron work, floor hardener, metal bulks, bond, kalamein doors, rolled steel sash and skylights, steam heat, electric light. Preliminary plans in progress.

Stores (8) and Apartments, York road, Broad and Champlost avenue, Philadelphia. Architect, A. H. Mueller, 901 Walnut street, Philadelphia. Owner, Harry Levin, 5355 Pine street, Philadelphia. Brick, 3 stories, 16x50 feet, irregular shape, slag and Spanish tile roof, hardwood floors, hot water heat, electric light, tile and marble work, metal ceilings, metal bars. Plans in progress.

Moving Picture Theatre, Thirty-first and Wharton streets, Philadelphia. Architect, W. L. Charr, Victory Building, Philadelphia. Owner, care of architect. Brick, steel, 1 story, 50x180 feet, hot water heat, electric light, metal lath, tile, marble and terrazzo work, rolled steel sash, kalamein doors, bond, orna-

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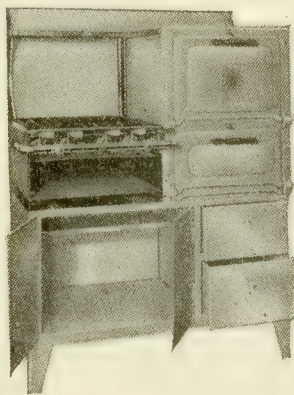
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mental iron, iron stairs, slag roof, roof ventilators, metal weather strips. Plans in progress.

Residences (176), Tasker and Dickinson street, between Thirty-first and Thirty-second, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, name withheld. Brick, 2 stories, 15 feet 6 inches x 37 feet, various sizes, slag and tin roof, pine and hardwood floors, hot water heat, electric light. Plans in progress. Owner will be ready for sub-bids in a few days.

Garages and (6) Stores, York road and Albanus street, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, A. Shotz, Juniper Building, Philadelphia. Brick, steel, 1 story, 110x180 feet, gypsum roof, steel trusses, concrete floors, steam heat, electric light, rolled steel sash. Owner ready for general bids.

Apartment House, Sixty-third and Lebanon avenue, Philadelphia. Architects, T. B. Lippincott and C. F. Schaef, 11 South Sixteenth street, Philadelphia. Owner, William A. Brady, care of architects. Brick, steel, 4 stories, 148x140 feet, 48x90 feet, slag roof, hardwood floors, elevators, laundry and kitchen equipment, door beds, vapor vacuum heat, electric light, tile work, metal casements, fire tower. Plans completed. Ready for general bids in a few days.

Residences (30), exact location withheld, Germantown, Philadelphia. Architect, E. A. Rothschild, Bankers' Trust Building, Philadelphia. Owner, F. A. Niethaner, care of architect. Brick, 2 stories, 16x35 feet, slag, slate roof, hardwood and cement floors, hot water heat, electric light, tile work, metal lath, garages in basement. Owner taking sub-bids in architect's office.

Residences (2), Stenton, Philadelphia, \$20,000. Architect, private plans. Owners, Seely Co., 1504 Locust street, Philadelphia. Stone, 2½ stories, 21x50 feet, tile roof, hardwood floors, cut stone, hot water heat, electric light, tile work. Owners taking sub-bids due as soon as possible.

Residences (45), Fifty-second and Diamond streets, Philadelphia. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Owner, A. Koch, 4284 Parkside avenue, Philadelphia. Brick, 2 stories, 16x40 feet, slate, slag and tile roof, hardwood, hot water heat, electric light, tile work, garages in basement. Owner taking sub-bids.

Residence and Garage, Thirteenth and Godfrey avenue, Oak Lane, Philadelphia. Architect, A. H. Mueller, 901 Walnut street, Philadelphia. Owner, name withheld. Brick, stucco, 2½ stories, 26x42 feet, wing 18x20 feet, Spanish tile roof, hardwood floors, quarry suate, and random wood slate floors, vapor heat, electric light, metal lath, tile work. Plans in progress. Architect will be ready for bids in a few days.

Store and Apartment (alts. and add.), Twenty-first and Montgomery avenue, Philadelphia. Architect, A. H. Mueller, 901 Walnut street, Philadelphia. Owner, C. M. Fendall, 1726 North Twenty-first street, Philadelphia. General alterations, changing second and third floors to apartments, basement to billiard room, hot water heat, electric light, lowering of floors, carpentry and mill work, metal ceilings, plate glass, flush bulks. Owner is ready for general bids.

Auditorium, Germantown avenue, below Jefferson street, Philadelphia. Architect, Peter F. Getz, Victory Building, Philadelphia. Owner, name withheld. Brick, steel, concrete, 1 story and basement, irregular, slag roof, pine floors, steam heat, electric light, tile and marble work, plumbing, metal ceiling. Plans about completed. Ready for bids in 10 days.

Sales and Service Building and Garage, 538-40 North Sixty-third street, Philadelphia. Architect, Sol Hopkins, Sixty-second and Market streets, Philadelphia. Brick, reinforced concrete, 1 story, 80x225 feet, slag roof, cement floors, steam heat, electric light, metal bulks. Plans about completed. Ready for bids in one week.

Hospital Building, Broad and Ontario, Philadelphia. Architect, private plans. Owners, Samaritan Hospital, on premises. Reinforced concrete, limestone, terra cotta, brick facing, 2 stories, 34x89 feet, slag roof, vapor vacuum heat, electric light, 2-inch fireproof partition, rolled steel and wood sash, corrugated and light iron work. Owners taking bids due June 10th, 2 P. M.

Alterations, 1101 Chestnut street, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Estate of Stephen Girard Building, on premises. Plumbing, carpentry and mill work, plastering, painting and glazing, plate glass. Architect taking bids due June 2nd.

Residence (alts. and add.), 7929 Park avenue, Philadelphia. Architect, private plans. Owner, E. J. Driver, on premises. Stone work, carpentry and mill work, plastering, painting and glazing, plumbing, hot water heat, electric light. Owner taking bids due as soon as possible.

Garage (5-car), 92 East Logan street, Philadelphia. Architect, H. B. Weldon, 1817 Calowhill street, Philadelphia. Owner, Paul Cantono, on premises. Stone, 1 story, 50x20 feet, cement floors, concrete roof, electric light. Owner taking bids due as soon as possible.

Library, Nineteenth, Twentieth streets, Vine to Wood streets, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, City of Philadelphia, Board of Trustees, Twelfth and Locust streets, Philadelphia. Interior finish and decorating. Deposit, \$50. Refund, \$20. Owners taking bids due June 11th, 11 A. M. (Standard Time). Certified check of 5 per cent. must accompany each bid.

Building, 1006 West Lehigh avenue, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Excelsior Trust Co., 1004 Lehigh avenue, Philadelphia. Brick, cut stone, steel, 2 stories and basement, 96x50 feet, slag roof, cement and oak floors, hollow tile, elevators, painting and glazing, plumbing, steam heat (allowance for electric), metal lath, tile and marble work, kalamein sash, copper skylights, bond, ornamental iron work, bronze work, naturalized flooring, granite, limestone, rolled steel sash,

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Alteration, 3409 Walnut street, Philadelphia. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Brick, electric light, slag roof, cement floors, carpentry and mill work, plastering, oak floors, painting and glazing, hardware, plumbing and heating alterations. F. K. Worley Corp., Seventeenth and Arch streets, Philadelphia, taking bids due as soon as possible.

Apartment House (alts. and add.), 3519 Hamilton street, Philadelphia. Architect, Frank R. Albright, Jr., 214 East Johnson street, Philadelphia. Owner, Alexander M. DeHaven, on premises. Stone, brick, cut stone, steel, stucco, 3 stories and basement, 32x24 feet, slag roof, cement and pine floors, hollow tile, plumbing, shoring, carpentry and mill work, hot water heat, electric light, metal lath, tile work, bond, ornamental iron work, bluestone, wrought iron pipe, dumb waiters. Architect taking bids due May 28th.

Church, Washington Lane, Germantown, Pa. Architect, George E. Savage, Witherspoon Building. Owners, Cliveden Presbyterian Church, C. P. Arnold, 3502 Market street. Stone, limestone, 1 story and basement and gallery, 74x40 feet, wing 77x22 feet, composition and Vermont slate roof, cement, pine floors, plumbing, waterproofing, ornamental iron work, bond, metal lath, tile work, steam heat, electric light, leaded glass, mineral floors. Owners taking bids due June 1st.

Contract No. 21-B, Delaware River Bridge. Owners, Delaware River Bridge Joint Commission, Widener Building, Philadelphia. Owners taking bids due June 17th, 1.30 P. M. (Eastern Standard Time). Concrete slabs and paving for the roadway and footways of the bridge, reinforced concrete slab, granite block, sheet asphalt filling main tower bases with concrete. Entire contract time 11 months, unit prices asked. Certified check, \$40,000. Contractor's bond 50 per cent. of amount of contract.

Miscellaneous Schools, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Schools (2), Jasper and Clearfield, Seventh and Dickinson streets. General plumbing, electrical, heating, ventilating, portable buildings, sanitary improvements, repairs to heating equipment, repairs and painting flag poles, new wire screens, general repairs to various schools. Owners taking bids due June 4th, 11 A. M.

Residence and Garage, Private Lane, North of Allen Lane, West of Emlen street, Chestnut Hill, Pa. Architect, Robert Rodes McGowan, 1600 Walnut street, Philadelphia. Owner, Alfred E. Hunter, care of architect.

Stone. Architect taking bids due June 1st at noon.

Paving of Pier, Philadelphia. Owners, Department of Wharves, Docks and Ferries, Municipal Pier No. 4, South Wharves, Philadelphia. Permanent paving of McKean street, Pier No. 78, South Delaware River. Plans and specifications may be obtained from Room 204, Municipal Pier No. 4, South Wharves, upon deposit of \$10, which will be refunded. Certified check 5 per cent. of amount of bids. Owners taking bids due June 3rd in Room 211, Pier No. 4, South Wharves.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Water, 216 City Hall. Owners taking bids due June 1st, 11 A. M. (Standard Time). Power equipment for Queen Lane Extension, furnish and lay railroad siding, parts for low pressure fire hydrants, for copper, tin and zinc ingots. All bids must be accompanied by a certified check in the amount of 5 per cent. of bid. Further information inquire Room 788, City Hall.

Sunday School, Northeast side Pulaski, Southeast of Penn street, Philadelphia. Architects, Druckenmiller & Williams, 1537 Chestnut street, Philadelphia. Owners, First Presbyterian Church, on premises. Stone, cut stone, brick, 1 story and basement 72x42 feet, black slate roof, pine floors, plumbing, waterproofing, ornamental iron work, bond, electric light, bluestone, wrought iron pipe. Architects taking bids due May 29th.

Residences (36), Second, Grange and Phillip streets, Philadelphia, \$152,800. Architect, private plans. Owner, Otto Steinacker, Southwest Corner Fifth and Luzerne streets, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, electric lighting. Owner will build.

Residences (17), Pratt street, East of Loretta street, \$106,000. Architect, private plans. Owner, Joseph A. Blair, 1700 Sixty-fifth avenue, Philadelphia. Brick, 2 stories, 18x41 feet and 16x41 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (27), North side Faunce street, East of Torresdale, \$98,400. Architect, private plans. Owner, Philip Conrad, 2507 West Somerset street, Philadelphia. Brick, 2 stories, 15x35 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (13), West side Sixty-fifth street, Belmar to Windsor, \$54,000. Architect, private plans. Owner, A. Krauss, 4807 North Hutchinson street, Philadelphia. Brick, 3 stories, 16x42 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

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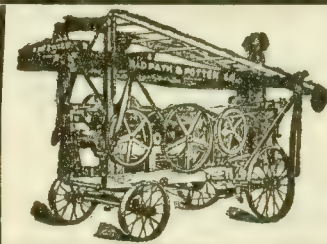
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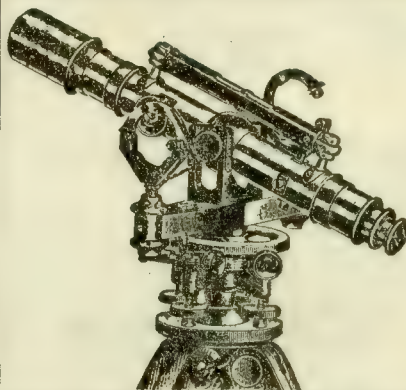
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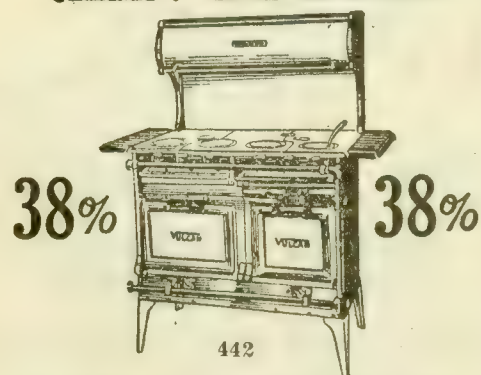
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avenue to Conlyn street, Philadelphia, \$236,000. Architect, private plans. Owner, Samuel J. Kennedy, 1502 Lindley avenue, Philadelphia. Brick, (4) 3 stories, 18x40 feet, (38) 2 stories, 16x30 feet, 13x9 feet, hot water heat, electric light, hardwood and pine floors. Owner will build.

Garage, 1721 Cayuga street, Philadelphia, \$20,000. Architect, private plans. Owner, B. W. Glover, 6050 Girard avenue, Philadelphia. Brick, 1 story, 48x220 feet, slag roof, cement floors, steam heat, electric light, steel sash. Owner will build.

Residence, Southwest Corner Gorgas and Gorston streets, Philadelphia, \$15,000. Architect, private plans. Owners, Johnson & Talley, Room 11, Post Office Building, Germantown, Philadelphia. Stone, 3 stories, 27x40 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Owners will build.

Residences and Garages (50), Avondale, Belmar, Trinity and Sixty-fifth streets, \$217,600. Architect, private plans. Owner, J. S. Silver, 5116 North Camac street, Philadelphia. Brick, 2 stories, 16x36 feet, hardwood and pine floors, slag roof, electric lighting. Owner will build.

Residences (33), Woodstock, Eastburn streets and Wyncote Road, \$183,000. Architect, private plans. Owner, George Ungerer, 4921 North Fairhill street, Philadelphia. Brick, 2 stories, 16x38 feet, hardwood and pine floors, slag roof, electric light, hot water heat. Owner will build.

Residences (64), Robinson, Harley, Sixty-second streets and Eastwick avenue, \$273,600. Architect, private plans. Owner, Marco Marks, 4739 North Tenth street, Philadelphia. Brick, 2 stories, 16x36 feet, slag roof, hardwood and pine floors, electric lighting. Owner will build.

Oil Testing Building and Storage Building, Pickwick street, North of Salmon street, Philadelphia, \$6,500. Owner, C. Speen, 200 West Olney avenue, Philadelphia. Brick, 1 story, 15x20 feet, storage building, 1 story, 16x30 feet, slag roof, electric work. Owner will build.

Residence, North side Longshore street, West of Frotenac street, \$4,200. Architect, private plans. Owner, Benjamin F. Fleming, 3339 Malta street, Philadelphia. Frame, 2 stories, 28x34 feet, shingle roof, pine floors, hot water heat, electric light. Owner will build.

Residence, 8137 Lissner avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Miss MacDonald, 5252 Walnut street, Philadelphia. Brick, 1 story, 22x32 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residences (8), Seventh and Bristol streets, Philadelphia, \$5,000 each. Architect, private

plans. Owner, C. F. Conway, 4150 North Broad street, Philadelphia. Brick, 2 stories, 14x25 feet, 11x12 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (2), West side Dungan road, South of Bleigh street, \$5,000 each. Architect, private plans. Owner, Charles Freeman, 7323 Claridge street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (2), East side Whitaker street, South of Vista street, \$5,000 each. Architect, private plans. Owner, Peter Heidt, Jr., 7442 Whitaker street, Philadelphia. Frame and stucco, 2 stories, 14x37 feet, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (12), South side Walnut lane, East of Baynton street, \$70,000. Architect, private plans. Owners, Oler & Shapiro, 5116 Market street, Philadelphia. Brick, 2 stories, 16x46 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Foundations for Extractor and Transformer Station, East side Casper street, South of Knigston street, Philadelphia, \$5,000. Owners, United Gas Improvement Co., Broad and Arch streets, Philadelphia. Brick, 1 story, 13x14 feet. Owners will build.

Residences and Stores (3), Limekiln pike and Cora street, \$20,500 total. Architect, private plans. Owner, Morris Shuster, 3101 Diamond street, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, electric light. Owner will build.

Residences (2), East side Bingham street, North of Shelmire street, \$4,000 each. Architect, private plans. Owner, Harry Glaser, Northwest Corner Cottman and Montour streets, Philadelphia. Brick, 2 stories, 16x36 feet 6 inches, slag roof, pine floors, hot water heat, electric light. Owner will build.

Garage, 428 North Edgewood street, Philadelphia, \$3,000. Architect, private plans. Owner, Thomas Flynn, on premises. Brick, 1 story, 20x112 feet, slag roof, cement floors, electric lighting. Owner will build.

Residence, Northwest Corner Thirty-fourth and Reed streets, Philadelphia, \$4,300. Architect, private plans. Owner, Louis Cohen, 1904 North Twelfth street, Philadelphia. Brick, 2 stories, 14 feet 8 inches x 43 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residences (16), South side Roxboro avenue, East of Henny avenue, \$5,400 each. Architect, private plans. Owners, C. M. Swartley & Son, 6836 Ridge avenue, Philadelphia. Brick, 2 stories, 20x33 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Building (add.), Southeast Corner Westmoreland and Emerald streets, \$5,000. Architect, private plans. Owner, Morris Ellis, on premises. Brick, 1 story add., 23x125 feet, 50x50 feet, slag roof, pine floors, electric light. Owner will build.

Apartment (alts. and add.), 2053 West Tioga street, Philadelphia, \$3,000. Architect, private plans. Owner, A. Yocum, 3228 Fox street, Philadelphia. Brick, second and third stories add., 16x9 feet, general alterations. Owner will build.

Residence (add.), 225 South Farragut Terrace, Philadelphia, \$2,000. Architect, private plans. Owner, Harry G. Vodges, 628 North Fifty-sixth street, Philadelphia. Brick, 1 story add., 10x12 feet. Owner will build.

Residence (add.), 213 Mountain street, Philadelphia, \$2,000. Architect, private plans. Owner, D. Gregoreo, 1011 Carpenter street, Philadelphia. Brick, 2 stories add., 15x15 feet, 12x13 feet, slag roof, pine floors, electric light. Owner will build.

Apartment House (alts.), 1426 North Sixteenth street, Philadelphia, \$2,000. Architect, private plans. Owner, Samuel Detwiler, 243 East Wister street, Philadelphia. General alterations. Owner will build.

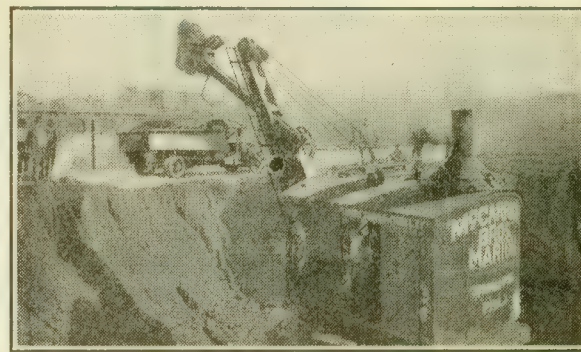
Wading Pool, Hancock Recreation Center, Philadelphia. City architect, J. Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Works, Bureau of City Property, 216 City Hall. Low bidders: Mitchell Brothers, 2125 Race street, Philadelphia, \$3,333; Joseph McHugh, Cynwyd, Pa., \$3,620.

Sewer Work, Philadelphia. Owners, Department of Public Works, Bureau of Surveys, Philadelphia. Low bidders: Schedule A, Branch Sewer: American, Olney to Chew street; Hugh A. Hamilton, Greene and Cheltenham avenue, Philadelphia, \$2,282.50. B street, Wyoming to Eleanor street; Hugh A. Hamilton, Green and Cheltenham avenue, Philadelphia, \$8,878.45. Conlyn street, Ogontz avenue to Grange street; J. E. Parodis, care of owner, \$9,556. Cottman street, Ditman to Walker; A. Bonitatimus, care of owner, \$25,499. Cottman avenue and other streets; A. Bonitatimus, care of owner, \$18,996.80. Cottman, Frankford to Wexler street; V. S. Campelini, care of owner, \$7,154.45. Eighth street, Johnson to Bigler street; A. Bonitatimus, care of owner, \$6,317. Eightieth avenue, Ogontz to Sharpnack street; Peter and A. J. Ellis, 5724 North Marshall street, Philadelphia, \$4,827.50. Franklin, Johnson to Bigler; A. Bonitatimus, care of owner, \$7,613.28. Fifteenth street and Sixty-seventh avenue; E. F. Bennis, 5648 Chew street, \$3,598.50. Girard avenue, Sixty-ninth to Sixty-sixth street; J. J. McHugh, 1617 Race street, Philadelphia, \$19,356. Mascher street, Chew to Spencer; Vattiero & Pontello, 523 Rising Sun avenue, Philadelphia, \$38,675. Musgrave street, Washington Lane to Johnson; E. T. Buckius, Kensington and Deal street, \$1,525. Robat street, Rising Sun to A street; A. Bonitatimus, care of owner, \$8,705. Sanger street, Saul to Large; F. T. Buckius, Kensington and Deal street, \$40,440. Sedgwick street, Greene to McCallum street; A. Perna & Son, 752 South Tenth street, \$16,815. Sedgwick street, Ellen to Lincoln avenue; A. Bonitatimus, care of owner, \$12,325. Spencer avenue and Marshall street; Peter & A. J. Ellos, 5724 North Marshall street, \$27,041.75. Seventy-fifth avenue and Fayette street; Hugh A. Hamilton, Greene and Cheltenham avenue, \$8,455. Seventy-ninth avenue, Ogontz to Sharpnack street; A. Bonitatimus, care of owner, \$9,643.50. Twentieth street, Thorp's lane to Kemble street; J. J. McHugh, 1617 Race street, Philadelphia, \$17,340.80. Walnut lane, Alsop to Seventy-fourth avenue; Peter & A. J. Ellis, 5724 North Marshall street, \$8,957.35. Washington lane and Fayette street; H. A. Hamilton, Greene and Cheltenham avenue, \$6,996.25. Woodbine avenue, Fifty-sixth to Fifty-seventh street; W. H. Yetman, Lincoln Building, \$30,911. Woodale road, Germantown avenue to Winston road; E. F. Bennis, 5648 Chew street, Philadelphia, \$18,127.50. Wynnefield avenue, Fifty-sixth to Fifty-seventh street; Joseph Lombardi, Lincoln Building, Philadelphia, \$22,555. Erie avenue, I street to F street; Joseph Lombardi, Lincoln Building, \$60,212.95. Tioga street, Delaware River and Balfour street; Joseph Lombardi, Lincoln Building, Philadelphia, \$124,238. Tulip street, Sanger street to Bridge street; Joseph Lombardi, Lincoln Building, \$68,043.

Grading and Paving, Philadelphia. Owners, City of Philadelphia, Bureau of Highways, Philadelphia. Low bidders: Schedule A: Buist avenue and other streets; E. A. Mullen, Inc., 5512 Vine street, Philadelphia, \$1,981.86. Churchview street, Tower to Terrace street; Roy B. Werner, 2315 Walnut street, Philadelphia, \$23,600. Devereaux street, Summerdale

to Roosevelt Boulevard; T. L. Flanagan, 531 East Girard avenue, Philadelphia, \$21,460.52. Griffith street and other streets; Garlick Brothers, 2948 East Venango street, Philadelphia, \$12,883.15. Leiper street, Dyre to Pratt; T. L. Flanagan, 531 East Girard avenue, Philadelphia, \$732.40. Marke street, Henry to Houghton; Roy B. Werner, 2315 Walnut street, Philadelphia, \$8,531.10; Buckley & Banks, 1317 South Juniper street, \$8,531.10. Middleton, Cedar Park avenue to Ogontz; Roy B. Wenner, 2315 Walnut street, Philadelphia, \$6,747.84. Sedgwick street, Wayne to Wissahickon avenue; Morrissey Brothers, 4345 North Seventh street, \$5,485. Thompson, Venango to Orthodox street; Garlick Brothers, 2948 East Venango street, \$5,429.13. Venango, Front to A street; Garlick Brothers, 2948 East Venango street, \$920. Sixty-sixth avenue, Fifteenth street to York road; T. L. Flanagan, 531 East Girard avenue, Philadelphia, \$2,527.56. Schedule B, Asphalt Paving: American and Randolph streets; Eastern Asphalt Co., Colonial Trust Building, Philadelphia, \$3,343.80. Buist avenue and other streets; Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$24,740.36. C street and Loudon street, Philadelphia; Eastern Asphalt Co., Colonial Trust Building, \$13,977.32. Chew street, Sydenham street to Ogontz avenue; Mack Paving & Const. Co., Nicetown lane and C street, \$16,337.35. Dicks avenue, Sixty-fourth to Sixty-fifth street; Barber Asphalt Paving Co., Land Title Building, \$7,449.78. Fairhill and Wingohocking streets; Mack Paving & Const. Co., Nicetown lane and C street, \$6,162.63. Gaul street, Schiller street to Tioga street; Barber Asphalt Paving Co., Land Title Building, \$4,799.82. Lebanon avenue and Fifty-seventh street; Barber Asphalt Paving Co., Land Title Building, \$33,677.70. Loudon street, Marshall to Seventh street; Eastern Asphalt Co., Colonial Trust Building, \$1,971.20. Montana street, Germantown to Ross street; Mack Paving & Const. Co., Nicetown lane and C street, \$9,944. Oxford street, Sixty-eighth to Edgemore road; Eastern Asphalt Co., Colonial Trust Building, \$5,693.35. Reedland street and Wheeler; Barber Asphalt Paving Co., Land Title Building, Philadelphia, \$7,346.02. Salmon street, Venango street to Pickwick street; Mack Paving & Const. Co., Nicetown lane and C street, \$5,187.80. Sixty-seventh avenue, Fifteenth to Sixteenth street; Barber Asphalt Paving Co., Land Title Building, \$6,284.86. Schedule C, Asphalt Repaving: Baltimore ave-

nue, Thirtieth to Forty-fifth street; Union Paving Co., Thirtieth and Locust street, Philadelphia, \$81,143.50. Lehigh avenue, Broad to

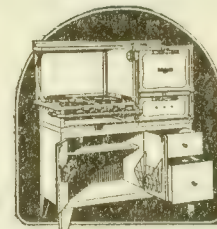


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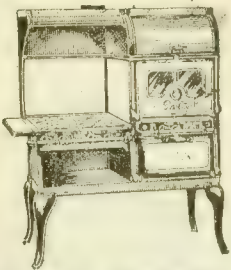
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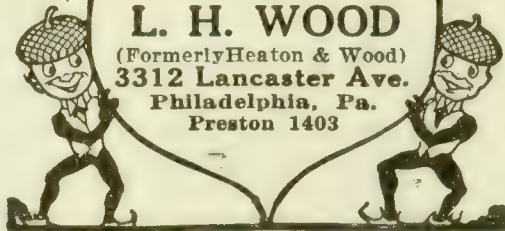
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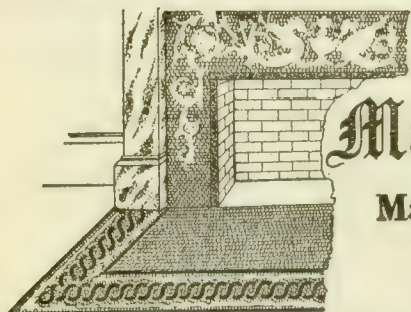
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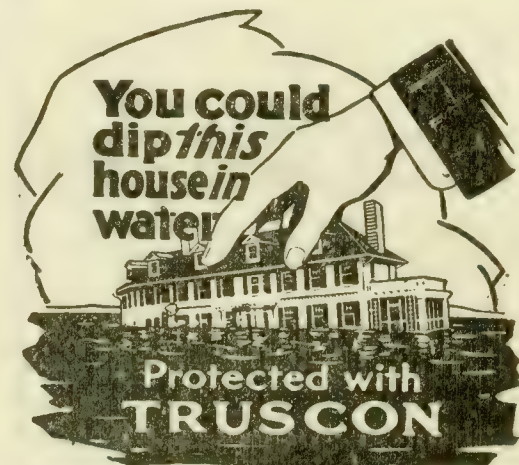
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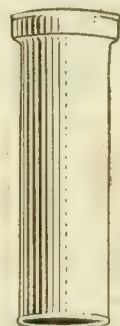
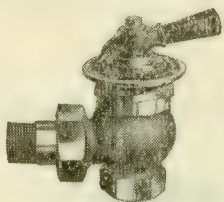
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Fifteenth; Barber Asphalt Paving Co., Land Title Building, \$9,336.55. Forty-fourth street, Lancaster to Brown; Barber Asphalt Paving Co., Land Title Building, \$11,128.70. Schedule D, Redress Granite Block: Bainbridge, Broad to Fifth (track area); Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$26,211.40. Tenth street, Walnut to South streets, Philadelphia; Union Paving Co., Real Estate Trust Building, \$25,063.80. Schedule E, Vitrified Block Repaving: Silverwood, Levering to Cotton street; James F. Nolan, 64 East Church lane, Philadelphia, \$32,626.09. Sched-

ule F, Country Road Improvement: Burholme and others; Curtis Brothers, State road, \$17,701.35. Cobb's Creek Parkway, Florence to Woodland; Baton Const. Co., 1713 Sansom street, \$62,253.65. Luzerne street, G street to Pennsylvania Railroad; Fish-Rutherford, 2313 Walnut street, Philadelphia, \$17,700.52. Concrete Dam and Section of League Island Bathing Beach; Kaufman Const. Co., Pennsylvania Building, Philadelphia, \$2,838. Schedule I, Sewer: Eleventh, South to Bainbridge street; Sarco Contracting & Building Co., 1213 Snyder avenue, Philadelphia, \$4,490.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Store and Storage Building (alts. and add.), Northwest Corner Ridge avenue and Jefferson street, Philadelphia, \$10,000. Owner, A. Schoenfeld, on premises. Brick, 3 stories, 16x12 feet, general alterations. Contract awarded to Liss & Heinro, 2618 South Sheridan street, Philadelphia.

Residence (alts.), Cresheim road, Chestnut Hill, Pa., \$8,000. Architects, Karcher & Smith, 34 South Seventeenth street, Philadelphia. Owner, Edwin M. Lavino, on premises. Stone, 2½ stories, painting and glazing, oak and pine floors, plastering, carpentry and mill work. Contract awarded McNeill Const. Co., Schaff Building, Philadelphia.

Residence and Garage, Fifty-sixth and Vine streets, Philadelphia. Architect private plans. Owner, F. B. Hoxter, on premises. Brick, concrete, steel, 2 stories (plumbing, heating reserved), electric light, slag roof, cement rubber tile, oak and pine floors, painting and glazing. Contract awarded Ketcham & McQuade, 1029 Brown street, Philadelphia.

Infant Home, Mt. Airy, Pa. Architect, Herman Miller, 1420 Chestnut street, Philadelphia. Owners, Board of Trustees, Lutheran Orphans' Asylum and Home for Aged, on premises. Stone, brick, steel, one story, 75x44 feet, shingle tile roof oak and pine floors, plumbing, painting and glazing, hot water heat, electric light, metal lath, tile work, rolled steel sash, ornamental iron work, galvanized steel pipe. Contract awarded to W. J. Gruhler, 219 High street, Philadelphia.

Southeast and Northeast Extension of Building No. 4, Sixty-eighth and Elmwood avenue, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, General Electric Co., Witherspoon Building, Philadelphia. Reinforced concrete, brick, steel, one story and gallery, 250x120 feet, wing 142x23 feet, 231x79 feet, train shed 250x15 feet, Genacre Pyrofit monolithic slate roof, cement and maple floors, painting and glazing, hollow metal sash, copper skylights, architectural terra cotta, damp and waterproofing, ornamental iron work, rolling steel doors, wood block floors (heating, electric sprinklers, cranes, plumbing, elevators and elevator doors,

railroad tracks, wire duct work reserved). Contract awarded Turner Construction Co., 1713 Sansom street, Philadelphia.

Occupational Therapy Building, Thirty-sixth and Spruce streets, Philadelphia. Architect, Ralph L. Colton, 225 South Sydenham street, Philadelphia. Owners, University of Pennsylvania, Thirty-fourth and Spruce Sts., Philadelphia. Brick, stone, steel, cut stone, 1 story, 46x22 feet (heating, plumbing and electric reserved), stonefield Thatch slate roof, pine floors, hollow metal sash, bond, ornamental iron work. Contract awarded to E. R. Hall, 34 South Seventeenth street, Philadelphia.

Repairs to Buildings No. 3 and No. 4, Marshall street, Oakdale and Harold streets, Philadelphia. Architects, the Ballinger Company, Twelfth and Chestnut streets, Philadelphia. Owners, Hardwick & Magee, 1220 Market street, Philadelphia. Brick, concrete work, cement work, steel and iron work, millwork, hardware, painting and glazing, plumbing, asphalt roof. Contract awarded Barclay White Co., 1713 Sansom street, Philadelphia.

Auto Show Room, Greene and Rittenhouse streets, Germantown, Philadelphia. Architect, Chas. J. Cumminsky, 96 Sharpnack street, Philadelphia. Owner, Harvey Sees, Esq., care of architect. Brick, concrete, cut stone, steel, one story, 106x35 feet, slate roof, cement and pine floors, plate glass, plumbing, painting and glazing, shoring, terra cotta coping, concrete stone, metal corner heads, granolithic finish, galvanized iron pipes. Contract awarded Lam Building Co., 1001 Wood street, Philadelphia.

Plant (fire repairs), Second and Erie avenue, Philadelphia. Architect, private plans. Owners, Certaineed Products Co., on premises. Brick, steel, 2 stories, 100x400 feet, slag roof, pine floors, plumbing, steam heat, electric light. Contract awarded to Stofflet & Tillotson, Wesley Building, Philadelphia.

Offices and Apartments, 521 Pine street, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owner, I. Sion, on premises. Brick, 3 stories, 20x80 feet, slag roof, hardwood floors, hot water heat, electric light, metal lath, tile and marble work, bond, iron stairs, ornamental iron work. Contract awarded Simon Reece, 1641 Thompson street, Philadelphia.

New Entrance to Lutheran Orphanage, Mt. Airy, Pa. Architect, Herman Miller, 1420 Chestnut street, Philadelphia. Owners, Lutheran Orphanage, care of Mrs. Amelia Schmidt, on premises. Stone work, cement work, bronze work, electric work. Contract awarded W. J. Gruhler, 219 High street, Philadelphia.

Apartment House, Germantown avenue, south of Duval street, \$100,000. Architects, Newbauer & Supovitz, 929 Chestnut street,

Philadelphia. Owners, Local Development Co., S. E. Cor. Twenty-second and Walnut streets. Brick, 3 stories, 43x150 feet, 64x38 feet, hardwood and pine floors, steam heat, electric light, tile work. Contract awarded to M. S. Kirschner, 4930 Brown street, Philadelphia.

Ice Storage Building, S. W. Cor. Fifteenth and Oregon avenue, \$5,000. Architect, Wm. F. Koelle & Co., 2601 Oxford street, Philadelphia. Owners, Crescent Ice Co., on premises. Brick, one story, 20x57 feet, 15x20 feet, slag roof, cement floors. Contract awarded to Wm. F. Koelle & Co., 2601 Oxford street, Philadelphia.

Factory Building, Clearfield and Hope Sts., Philadelphia. Architect, private plans. Owners, Franklin Processing Co., on premises. Slow burning construction, 3 stories and basement, 85x100 feet, slag roof, wood floors, elevators, sprinklers, plumbing, rolled steel sash, skylights, steam heat, electric light. Contract awarded John N. Gill Construction Co., City Center Building, Philadelphia.

New Club House, S. E. Cor. Darien and Locust streets, Philadelphia, \$30,000. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners, Philadelphia Labor Institute, on premises. Brick, cut stone, three stories and basement, 128x28 feet, slag roof, maple floors, cement floors, metal lath, tile and marble, rolled steel sash, tin lined doors, bond, floor hardener, iron stairs, ornamental iron work, ornamental plastering, dampproofing, architectural terra cotta. Contract awarded to Wm. M. Smelo, 121 North Seventh street, Philadelphia.

Bank (alts for Mezz. floor), N. E. Cor. of Thirteenth and Market streets, Philadelphia. Architect, Edgar V. Seeler, Franklin National Bank Building, Philadelphia. Owners, Colonial Trust Co., on premises. Concrete and cement work, ornamental iron work, carpentry and millwork, ornamental plastering, steel work. Contract awarded H. H. Burrell, 206 South Quince street, Philadelphia.

Store and Apartment Building, 419 Grange avenue, Philadelphia. Architects, W. H. Gravell & A. R. Hall, Otis Building, Philadelphia. Owner's name withheld. Brick, cut stone, two stories and basement, 50x16 feet, composition roof, oak and pine floors, electric light, tile and marble work, plumbing, ornamental iron work, wrought iron pipe. Contract awarded J. Schnabel, Denekla Building, Philadelphia.

Post Office, N. E. Cor. of Eighteenth and Ransstead streets, Philadelphia. Architect, Chas. A. Quinn, P. O. Building, Ninth and Market streets, Philadelphia. Owner, Frank P. Mellon Estate, 1712 Ludlow street, Philadelphia. Lessees, United States Government, Washington, D. C. Brick, stone, steel, two stories and basement, 40x188 feet, slag roof, cement floors, steam heat, electric light. Contract awarded Geo. C. Dougherty, 1725 Ludlow street, Philadelphia.

Public Comfort Station, Comly, Hawthorne and Howell streets, Philadelphia. City Architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, City of Philadelphia, Department of Public Works, Bureau of City Property. Brick, one story, 42x35 feet, (plumbing, electric light separate), slag roof, shingle and tile roof, cement floors, carpentry and millwork, painting and glazing, marble work, bond, bluestone. Contracts awarded: McCormick Lenham Co., 2403 South Broad street, Philadelphia, \$11,845. Plumbing, G. W. Sandman, 404 South Twentieth street, Philadelphia, \$2,566. Electric, Harry W. Hart, 7010 Ditman street, Philadelphia, \$985.

Improvement of South Second Street Market, Second and Lombard streets, Philadelphia. Demolition, concrete work, waterproofing, iron and steel work, carpentry and millwork, sheet metal work, metal lath, painting and glazing, hardware. Contract awarded

Kaufman Construction Co., Pennsylvania Building, Philadelphia, \$1,000. Plumbing, J. Dugger, 2124 East Cumberland street, Philadelphia, \$298.

Fire House, Co. No. 18 (alts.), Uber and Callowhill streets, Philadelphia. Brickwork, bond, carpentry and millwork, concrete work, hardware, steel, painting, glazing. Contract awarded Kaufman Construction Co., Pennsylvania Building, Philadelphia, \$2,295.

Alts. and Imp. Office of Revision of Taxes, City Hall, Philadelphia. Contract awarded Jos. McHugh, Cynwyd, Pa., \$1,305.

Imp. of Ground, Erection of Guard Houses, Loney and Oxford avenue, Philadelphia. Frame, brick, one story, 10x10 feet, slate roof, pine floors, bond, carpentry and millwork, painting and glazing. Contract awarded Jos. McHugh, Cynwyd, Pa., \$760.

Manufacturing Building, east side of Thayer street, west of Tenth street, Philadelphia, \$25,000. Architect, private plans. Owners, H. S. Getty & Co., 1539 Cabot street, Philadelphia. Brick, two stories, 79x40 feet, one story, 30x73 feet (heating, plumbing and electric reserved), pine floors, built-up roof. Contract awarded to J. G. T. Miller, 2325 West Allegheny avenue, Philadelphia.

Residence, north side of Wigard street, west of Ridge avenue, \$15,000. Architect, private plans. Owner, James S. Page, 805 Spring Mill avenue, Philadelphia. Stone, three stories, 24x16 feet, 32x24 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Adam Wilkinson, 439 Harmon Road, Philadelphia.

Garage, 1213-15 North Fifth street, Philadelphia, \$11,999. Architect, private plans. Owner, Russell Nittinger, 6524 North Ninth street, Philadelphia. Brick, one story, 40x100 feet, slag roof, cement floors, electric work. Contract awarded to F. I. Wintz, 1618 North Twenty-seventh street, Philadelphia.

Swimming Pool, Twelfth and Susquehanna avenue, Philadelphia. Architect, Hoffman Henon, Finance Building, Philadelphia. Owners, Department of City Property, Bureau of Recreation, 595 City Hall. Concrete, cement art cast stone, brick, steel, 68x120 feet, one story. Bath house, 60x69 feet, slag roof, cement floors, carpentry and millwork, painting and glazing, hardware. Contract awarded: Kaufman Construction Co., Pennsylvania Building, Philadelphia, \$34,324; Plumbing, J. Borden & Bro., 637 North Nineteenth street, \$2,120. Electric, Walker Kepler, 531 Chestnut street, Philadelphia \$1,093.

Building (repairs), N. W. Cor. of Sixth and Vine streets, Philadelphia, \$59,000. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Women's Home Missionary Society of M. E. Church, care of W. H. Gould, 1701 Arch street, Philadelphia. Fire restoration, general alterations. Contract awarded to Warren E. Biscoe & Son, 3946 Baring street, Philadelphia.

Garage, 2215-17 Hunting Park avenue, Philadelphia, \$25,000. Architect, private plans. Owner, H. Bernheim, 2201 North Sixteenth street, Philadelphia. Brick, one story, 50x195 feet, slag roof, cement floors, electric work. Contract awarded to S. Lazarus, 228 South Fifty-ninth street, Philadelphia.

Garage (alts. and add.), 2425-29 North Broad street, Philadelphia, \$18,000. Architect, private plans. Owner, J. C. Kahn, Morris Building, Philadelphia. Brick, one-story addition, 60x63 feet, slag roof, cement floors, electric lighting, general alterations. Contract awarded to J. L. Fawley, 1615 Spruce street, Philadelphia.

Garage and Office (alts. and add.), 820 Green street, Philadelphia, \$10,000. Architect, private plans. Owner, I. Z. Kriebel, 822 Green street, Philadelphia. Brick, one-story addition, 50x60 feet, general alterations. Contract

awarded to U. S. Hunsberger, 3711 South Ninety-first street, Philadelphia.

Residences (2), west side of Devon street, south of Moreland avenue, \$9,000 each. Architect, private plans. Owner, Angelo Rosa, 8112 Devon street, Philadelphia. Brick, three stories, 15x51 feet, hot water heat, electric light, hardwood and pine floors. Contract awarded to Chestnut Hill Construction Co., 8021 Winston Road.

Residences (2), north side of Emerson St., east of Loretta St., \$7,000 each. Architect, private plans. Owner, John Schwarzkoft, 1219 Mt. Vernon street, Philadelphia. Frame, 3 stories, 26x28 feet, shingle roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to S. F. Brown, Willow Grove, Pa.

Foundry, west side of Croskey street, south of Race street, Philadelphia, \$7,600. Owners, Creswell Iron Works, Twenty-third and Cherry streets, Philadelphia. Brick, one story, 63 feet 8 inches x 84 feet 5 inches, slag roof, electric work, steam heat. Contract awarded to Mitchell Bros., 2125 Race street, Philadelphia.

Residences and Garages (3), Twentieth and Haines streets, Philadelphia, \$19,000. Architect, private plans. Owner, Louis Ebert, S. E. Cor. of Camac and Rockland streets, Philadelphia. Brick, two stories, various sizes, slag roof, hardwood and pine floors, electric light, hot water heat. Contract awarded to Jas. J. Clarkin, 952 East Ontario street, Philadelphia.

Building (alts.), 809-11 Chestnut street, Philadelphia, \$13,000. Architect, private plans. Owner, Philip Shapiro, 46 South Eighth street, Philadelphia. General alterations. Contract awarded to Morris Reisman, 513 Morris street, Philadelphia.

Residence and Garage, 602 Fulton street, Philadelphia, \$5,700. Architect, private plans. Owner, Louis De Stocio, 602 Fulton street, Philadelphia. Brick, three stories, 17x46 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded to N. Attarelli, 726 Fulton street, Philadelphia.

Residences (2), west side of Jackson street, north of Linden avenue, Philadelphia, \$4,000 each. Architect, private plans. Owner, Wm. I. Underwood, Tacony, Philadelphia. Frame, two stories, 14x37 feet, shingle roof, pine floors, electric light. Contract awarded to A. W. J. Williams, 3011 Linden avenue, Philadelphia.

Residences (2), south side of Emerson avenue, west of "E" street, \$3,500 each. Architect, private plans. Owner, Julius A. Bacher, 7862 Oxford Pike, Philadelphia. Frame, two stories, 16x26 feet, shingle roof, pine floors, pipeless heating, electric lighting. Contract awarded to H. W. Myers, 4650 Boudinot St., Philadelphia.

Residence (add. and alts.), 2337 S. Fourth street, Philadelphia, \$4,000. Architect, private plans. Owner, Mr. Silverman, 408 Ritner St., Philadelphia. Brick, two-story addition, 12x16 feet, general alterations. Contract awarded to P. Goodman, 2409 South Third street, Philadelphia.

Dye House, west side of Large street, north of Orthodox street, \$4,000. Architect, private plans. Owners, LaFrance Textile Co., Frankford avenue and Unity street, Philadelphia. Iron, one story, 40x68 feet, corrugated iron roof. Contract awarded to Wintz Bros., 1618

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Sellers street, Philadelphia.

Building (alts.), 215 South Seventeenth street, Philadelphia, \$3,000. Owners, Kershaw & Crowe, 221 South Tenth street, Philadelphia. General alterations. Contract awarded to Paul Brosz, 2511 West Huntingdon street, Philadelphia.

Rooming House (add.), 1029-31 Spruce St., Philadelphia, \$4,000. Architect, private plans. Owner, Sarah P. Lippincott, on premises. Brick, one-story addition, 9x52 feet, 25x20 feet, slag roof, pine floors, electric lighting. Contract awarded to Knox-Landers Co., 1132 Vine street, Philadelphia.

Residence and Store (alts.), 2071 Cheltenham avenue, Philadelphia, \$4,000. Architect, private plans. Owner, A. Zimmerman, on premises. General alterations. Contract awarded to Arthur Land, 2048 East Haines street, Philadelphia.

Residence, N. W. Cor. Eightieth and Grover avenue, Philadelphia, \$3,500. Architect, private plans. Owner, Marion Miller, 8018 Grover avenue, Philadelphia. Brick, one story, 23x38 feet, pine floors, electric lighting. Contract awarded to Wm. Myer, 8004 Brunswick avenue, Philadelphia.

Frame Residence, S. E. Cor. of Emerson and Loretta streets, \$3,500. Architect, private plans. Owner, J. Haver, 4940 A street, Philadelphia. Frame, three stories, 25x36 feet, shingle roof, pine floors, electric lighting. Contract awarded to J. Hansen, Afton street, Fox Chase, Philadelphia.

Residence and Store (add.), 7636 Buist avenue, Philadelphia, \$3,000. Architect, private plans. Owner, F. Gossin, on premises. Brick, two-story addition, 16x18 feet, slag roof, pine floors. Contract awarded to Thos. Cockerill, 2242 St. James street, Philadelphia.

Residence, 1745 South Fifty-sixth street,

Philadelphia, \$4,500. Architect, private plans. Owner, J. E. Brown, 1753 South Fifty-sixth street, Philadelphia. Brick, two stories, 16x40 feet, slag roof, hardwood and pine floors, electric lighting. Contract awarded to A. K. Cooper, 5232 Beaumont avenue, Philadelphia.

Garage (alts.), 1711 Delancey street, Philadelphia, \$4,000. Architect, private plans. Owner, J. B. Lippincott, 1712 Spruce street, Philadelphia. General alterations. Contract awarded to F. W. Allison, 265 South Twentieth street, Philadelphia.

Residence, 8004 Ridge avenue, Philadelphia, \$5,200. Architect, private plans. Owner, Louise G. Missimer, 8012 Ridge avenue, Philadelphia. Stone and frame, three stories, 24x28 feet, hot water heating, electric lighting, hardwood and pine floors. Contract awarded to H. C. Missimer, 8012 Ridge avenue, Philadelphia.

Residence and Store (alts. and add.), 4913 Wayne avenue, \$5,000. Architect, private plans. Owner, S. Santon, on premises. Brick, two-story addition, 20 feet 8 inches x 37 feet 10 inches, general alterations. Contract awarded to J. D. Pasquale, 1919 Wayne avenue, Philadelphia.

Garage, 140 East Sharpnack street, Philadelphia, \$2,400. Architect, private plans. Owner, Daniel Goods, on premises. Brick, 2 stories, 20x22 feet, slag roof, cement floors, electric work. Contract awarded to J. F. Trent, Nineteenth and Addison streets, Philadelphia.

Shop (add.), 3543-45 North Ninth street, Philadelphia, \$2,000. Architect, private plans. Owner, Charles Chappian, on premises. Brick, one-story addition, 23x20 feet, 16x33 feet. Contract awarded to J. S. Alaverdi, 2625 N. Jessup street, Philadelphia.

lege, Pa. Architect, Nicholas E. Fisher, 341 Pine street, Williamsport, Pa. Owner, Earnest Gernard, State College, Pa. Brick and tile, 3 stories and basement, 60x72 feet, slag roof, hardwood and pine floors, steam heat, electric light. Architect will take sub-bids.

Bank, Middletown, Pa., \$50,000. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owners, Citizens' National Bank, Dr. E. Lavery, Chairman Building Committee, Middletown, Pa. Stone, marble, one story, 35x100 feet, composition roof, metal sash, bronze work, vault. Architect ready for bids.

Residence and Garage, Second and Manor streets, Harrisburg, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owner, Charles W. Burtnett, 1631 North Second street, Harrisburg, Pa. Stone, 2½ stories, 40x50 feet, one story, 24x24 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Architect ready for bids.

Building, Abington, Pa. Architects, Tilden & Register, 1525 Locust street, Philadelphia. Owners, Abington Township Memorial Hospital, T. C. Melus, President, Abington. Brick, two stories, 36x72 feet, slag roof, cement floors, terrazzo work, rolled steel sash, bond, ornamental iron work. Working plans in progress. Architect will take bids soon.

School, Chester, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, St. Hedwig's Parish, Chester, Pa. Brick, steel, three stories, 139x69 feet, composition roof, maple and pine floors, safety treads, roof ventilators, tile work, iron stairs, steam heat, electric light. Architect will be ready for bids in two weeks.

Store, Pottsville, Pa. Architect, Harry Mauer, 234 North Fifth street, Reading, Pa. Owner, S. S. Weiss, 15 North Centre street, Pottsville, Pa. General alterations, marble work, travertine work. Owner will take bids.

Twin Residences (6 pairs), Rosemont, Pa. Architects, MacKenzie & Wiley, Bankers' Trust Building, Philadelphia. Owners, Good Homes, Co., Memorial Building, Bryn Mawr, Pa. Frame and plaster, concrete block, 2½ stories, 16x32 feet, 16x30 feet, shingle roof, pine floors, hot air heat, electric light. Architects taking bids, due May 29th.

Bank and Office Building, State and Tenth streets, Erie, Pa. Architects, Dennison & Hiron, 288 Lexington avenue, New York City. Owners, Erie Trust Co., on premises. Brick, reinforced concrete, cut stone, steel, 13 stories and basement, 160x80 feet, Barrett specified roof, cement floors, elevators, waterproofing, architectural terra cotta, ornamental iron work, iron stairs, bond, hollow metal doors, rolled steel sash and skylights, tile, marble and terrazzo work, metal lath, steam heat, electric light, mail chute, granite, limestone, ventilating, plumbing, brass pipe, wrought iron pipe. Architects taking bids, due June 8th.

Residences (2), Wyncote, Pa. Engineer, Samuel W. Marshall, 1524 Chestnut street, Philadelphia. Owner, W. G. Schlegel, on premises. Stone, brick, 2½ stories, 38x21 feet, shingle roof, oak and pine, cement floors, plumbing, steam heat, electric light, tile work, galvanized iron pipe. Architect taking bids, due as soon as possible.

Bank Building (alts. and add.), Media, Pa. Architects, Morgan & French, 19 West Forty-fourth street, New York City. Owners, First National Bank, Media, Pa. Structural steel, ornamental iron work, kalamein doors, carpentry and millwork, painting and glazing, plumbing, elevator, electric work, tile and marble work, bronze work, bond, concrete work, brick work, architectural terra cotta, metal lath, plastering, iron stairs, Johns Manscille asbestos built up roof, roof vents, skylights, wrought iron pipe, steam heat, corktile and linoleum floors, two stories and basement,

PENNSYLVANIA

Construction News

High School, Northwest Corner College avenue and Beaver street, York, Pa. Architect, John B. Hamme, City Bank Building, York, Pa. Owners, Board of School Directors, City of York, D. N. Crider, secretary, Central School Building, York, Pa. Brick, steel, 3 stories, 236x245 feet, composition roof, hardwood and composition floors, safety treads, roof ventilators, waterproofing and damp-proofing, terra cotta, ornamental iron, iron stairs, bond, fire doors, steel skylights and sash, metal lath, tile, marble and terrazzo (plumbing, electric, heating and ventilating separate). Owners taking bids due June 29th. Certified check, 5 per cent. of bid. Deposit of \$100. Refund of \$85 on general. Deposit of \$50, refund \$35, on mechanicals.

Sewer, Magnolia avenue, Alden, Pa. Owners, Borough of Alden, R. E. Kraber, Secretary, School House, Providence and Woodlawn avenues, Alden. Owners taking bids due May 28th, 8 P. M. (Daylight Saving Time). Certified check \$50.00 must accompany each bid.

High School, Lemoyne, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owners, Lemoyne School Board, Mrs. J. E. Beale, President, Lemoyne, Pa. Fireproof, one story. Architect selected. Too early for details.

Theatre, Shamokin, Pa. Architect, Wm. H. Lee, 1505 Race street, Philadelphia. Owner, C. A. Tharp, Shamokin, Pa. Brick and steel, one story and basement, 55x150 feet. Plans in progress.

Residence and Garage, Spring City, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, Claude Magoner,

Spring City, Pa. Frame and stucco, two stories, 32x28 feet, asbestos roof oak floors, terra cotta work, wood and steel sash, tile work (heating, plumbing and electric work reserved). Plans in progress.

Residence and Garage, Berwind Road, Wynnewood, Pa. Architect, private plans. Owner, Geo. W. Blabon, 2nd, Twenty-first and Hunting Park avenue, Philadelphia. Stone, 2½ stories, hot water heat, electric light, slate roof, hardwood floors, cement work, tile and marble work. Plans completed.

Residence (alts. and add.), Broad Axe, Pa., \$12,000. Architects, T. B. Lippincott & C. F. Schaeff, 11 South Sixteenth street, Philadelphia. Owner, J. Cawlder, Jr., care of architects. Plans in progress.

Store and Apartment (alts.), 314 Chestnut street, Harrisburg, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, C. R. Robinson Co., 312 Chestnut street, Harrisburg, Pa. Brick, steel, three stories, composition roof, pine floors, electric light, tile work, plate glass. Plans in progress.

School (alts. and add.), Forty Fort, Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owners, Forty Fort School District, J. H. Evans, Forty Fort, Pa. Brick, two stories and basement, general alterations. Plans in progress.

Residence (alts. and add.), Haverford, Pa. Architects, Mills & VanKirk, Harrison Building, Philadelphia. Owner, Albert B. Mills, on premises. Interior alterations, extension to garage, plumbing, tile work, slate roofing, heating. Architect ready for bids.

Stores and Apartments Building, State Col-

37x29 feet. Architects taking bids, due June 2nd.

Hospital, Coatesville, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Coatesville Hospital, Coatesville, Pa. Brick, steel, cut stone, three stories and basement, 120x40 feet, slate roof, tile work (electric heating, ventilating and elevators reserved), rolling steel skylights, fire doors, iron stairs, ornamental iron work, composition cement and duraflex floors, hollow tile, plumbing, bluestone, encaustic tile, cast iron pipe. Architect taking bids, due June 5.

High School, Gettysburg, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, Gettysburg School Board, Mr. Block, Secretary, Gettysburg, Pa. Brick, semi-fireproof, two stories and basement, 70x140 feet, 50x40 feet, slag roof, maple floors, hollow tile, safety treads, roof ventilators, water and dampproofing, iron stairs, tile work, metal lath (heating, plumbing and electric work separate). Architect ready for bids, due June 21st.

Residence (alts.), 146 Kathmore Road, Brookline, Delaware County, Pa. Architect, private plans. Owner, F. M. Davis, 240 North Sixteenth street, Philadelphia. Stone work, carpentry and millwork, painting and glazing, plumbing, shingle roof, oak and pine floors, hot water heat, electric light, tile work. F. B. Davis & Son, 240 North Sixteenth street, Philadelphia, taking sub-bids, due as soon as possible.

Office Building (alts. and add.), Abington, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Herkness & Stetson, Land Title Building, Philadelphia. Architect taking bids, due May 28th.

Church and Sunday School, Ringtown, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. John's Lutheran Church, Rev. M. W. Krause, Ringtown, Pa. Owners taking bids, due June 6th at 6 P. M.

Residence (alts.), Cynwyd, Pa. Architects, Druckenmiller & Williams, 1537 Chestnut St., Philadelphia. Owner, Robert Patrick, on premises. Architect taking bids, due as soon as possible.

Wire Fence, Oakdale School, Swarthmore, Pa. Owners, School Board, Mrs. Warren Marshall, Secretary, Swarthmore, Pa. Owners taking bids, due May 28th at regular meeting, Central School, Baxter and Powell Road, Springfield Township, Pa.

Sunday School Building, Abington, Pa. Architects, Druckenmiller & Williams, 1537 Chestnut street, Philadelphia. Owners, Abington Presbyterian Church, Abington, Pa. Stone, cut stone, brick, two stories and basement, 84x55 feet, Vermont slate roof, mastie and pine floors, plumbing, waterproofing, electric light (heating reserved), tile work, bond, ornamental iron work, flagstone, wrought iron pipe. Architects taking bids, due June 4th.

Sunday School (alts. and add.), Pottsville, Pa. Architects, Cram & Ferguson, 248 Boylston street, Boston, Mass. Owners, First Presbyterian Church, C. Silliman, Chairman Bldg. Committee, Second and Mahantongo streets, Pottsville, Pa. Brick, steel, stone, concrete, one story, 50x51 feet, slate roof, oak and linoleum floors, tile, marble and terrazzo work, waterproofing, iron stairs, cut stone, terra cotta. Owners taking bids, due June 1st.

Consolidated School, Parkerford, Pa. Architect, John H. Mowere, Phoenixville, Pa. Owners, School Board of East Coventry Township, Chester County, Wm. E. Wells, President, Pottstown, Pa. Stone and brick, one story and basement, built-up roof, wood floors, metal ceilings, plastering, metal windows, plumbing, furnace heating, electric wiring, sewage disposal, artesian well. Heating, plumbing and electric work separate bids. Lowest bidders:

General, H. C. Shalleross, Gratersford, Pa.; heating, National Heating and Ventilating Co., Drexel Building, Philadelphia; plumbing, E. C. Sturgis & Bro., Pottstown, Pa.; electric, Enterprise Electric Co., 239 South Tenth St., Philadelphia.

School (alts. and add.), Fifth and Spring streets, Reading, Pa. Architect, M. B. Dechant, 632 Washington street, Reading, Pa. Owners, Reading School District, Eighth and Washington streets, Reading, Pa. Brick, cut stone, steel, two stories and basement, 112x111 feet, maple and cement floors, slag roof, hollow tile, safety treads, iron work. Lowest bidders: Woodland Construction Co., Sixty-fifth and Woodland avenue, Philadelphia, \$130,000; Plumbing, Corbit Bros., Third and Oley streets, Reading, Pa., \$10,500; Heating, Wasner & Reddig, 206 North Sixth street, Reading, Pa., \$24,800; Electric, Weidner, Nuss & Rieger, 150 North Ninth street, Reading, Pa., \$3,976.

Bridge No. 185, West Ninth street bridge over Chester River, Chester, Pa. Engineer, S. C. Hollister, Swarthmore, Pa. Owners, Delaware County Commissioners, County Controller, Media, Pa. Reinforced concrete arch, 160 feet span to replace present steel through truss. Deposit, \$10.00, refunded. Certified check 10% of amount of bid. Owner taking bids, due June 9 11 A. M., Daylight Savong.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Low bidders on work opened May 20th:

Bridge, McKean Co., R-211, Eldred Township, Milliron Construction Co., Dubois, Pa., \$45,801.48.

Bridge, Sullivan Co., R-19, Davidson Township, D. S. Reitz & Son, Sunbury, Pa., H. E. Bahner & D. W. Bahner, Sunbury, Pa., \$10,775.40.

Somerset Co., R-52, A-3158-B, Somerset Township, 6,001 feet. One course reinforced concrete. Michael Barber, Binghamton, N. Y., \$48,258.72.

Berks Co., R-149, Womelsdorf Borough, 2158 feet. Either bit. sur. course on concrete foundation or one course reinforced concrete.

DuBois Construction Co., DuBois, Pa., \$32,354.25.

Crawford Co., R-294, A-3293, Wayne Township, Cochranton Borough, 11,848 feet. One course reinforced concrete. J. C. Devine Co., Alliance, Ohio, \$134,519.05.

Berks Co., A-3218, S. Heidelberg and Spring Townships, 22,499 feet. One course reinforced concrete. Michael Staub, Pitman, N. J., \$190,250.04.

Delaware Co., R-180, Collingdale, Sharon Hill, Folcroft, Glenolden Boroughs, Ridley Township, 32,025 feet. One course reinforced concrete. Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$571,440.63.

Jefferson Co., R-63, A-3127, Oliver Township, 10,570 feet. One course reinforced concrete. Indiana Construction Co., Indiana, Pa., \$84,740.27.

Erie Co., R-272, A-3047, Fairview and Franklin Townships, 27,076 feet. One course reinforced concrete or bit. surface course on concrete foundation. Chas. H. Fry Construction Co., Erie, Pa., \$276,072.82.

Jefferson Co., R-357, A-3125, Perry Township, 16,218 feet. One course reinforced concrete. R. V. Baldwin, Corapolls, Pa., \$124,344.90.

Jefferson Co., A-3122, 3128, Young and McCalmont Townships, 24,134 feet. One course reinforced concrete. Indiana Construction Co., Indiana, Pa., \$225,543.72.

Lebanon Co., R-139, Annville Township, 4700 feet. One course reinforced concrete. Frey Construction Co., York, Pa., \$83,444.72.

Washington Co., R-325, Sec. 5, S. Strabane and Amwell Townships, 17,564 feet. One course reinforced concrete. Blue Ridge Construction Co., Uniontown, Pa., \$150,727.40.

Schuylkill Co., R-141, N. Manheim Township, 14,934 feet. One course reinforced concrete. Rudolph & Delano, Tamakua, Pa., \$121,105.03.

Blair-Cambria Cos., R-53, Sec. 1, Allegheny and Juniata Townships, Cresson Township and Borough, 15,630 feet. One course reinforced concrete. Michael Barber, Binghamton, N. Y., \$134,581.38.

PENNSYLVANIA

Contracts Awarded

Hotel, Sixth and Hamilton streets, Allentown, Pa., \$2,000,000. Architect, not yet selected. Owners, care of Albert D. Gomery, President, Allentown Chamber of Commerce, Allentown, Pa. Details undecided. Contract awarded to Potruch Const. Co., 926 Hamilton street, Allentown, Pa.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Bradford County, R-299, Monroeton Borough, 4,025 feet. One course reinforced concrete. \$29,999.90. Contract awarded to William C. Horn, Athens, Pa.

Indiana County, R-337, Centre, Brush and Green Townships, Homer City Borough, 42,168 feet. One course reinforced concrete. \$348,585.73. Contract awarded to Corrado & Galliardi, Connellsville, Pa.

Armstrong-Indiana Counties, R-67, A-3032, 3175, Shelocta and Elderton Boroughs, Plum Creek and Armstrong Townships, 28,079 feet. One course reinforced concrete. \$256,296.86. Contract awarded to Johnson, Drake & Piper, Minneapolis, Minn.

Schuylkill County, R-199, Porter, Tremont and Frailey Townships, Tremont and Tower City Boroughs, 59,691 feet. One course reinforced concrete. \$652,036.89. Contract awarded to Henry W. Horst Co., Rock Island, Ill.

Hospital, Hanover, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Hanover Hospital, Hanover, Pa. Brick, cut stone, cast concrete stone, steel, three stories and basement, 137x54 feet, slag roof, composition, rubber tile and cement floors (plumbing, heating, electric reserved), metal lath, tile and marble work, rolled steel sash, copper skylights, tinclad doors, hollow metal doors, bond, iron stairs, ornamental iron work, safety treads, roof vents, metal weatherstrips, waterproofing, ornamental terra cotta, bronze work, medicine cabinets, ornamental plastering, painting and glazing, X-Ray glass, caulking. Contract awarded J. B. Ferguson, Hagerstown, Md.

Bank, York, Pa. Architect, W. L. Stoddard, 50 East Forty-first street, New York. Owners, Western National Bank, Mr. Livingstone, President, York, Pa. Reinforced concrete, steel, limestone, cut stone, brick, one story, mezzanine and basement, 50x115 feet, slag roof, cement floors, metal lath, tile and marble work, rolled steel sash and skylights, bond, kalamein doors, ornamental iron work, shoring, water and dampproofing, artificial granite. Contract awarded to Consolidated Eng. Co., Calvert Building, Baltimore, Md.

Show Room and Service Station, Baltimore and Wyeomb avenue, Lansdowne, Pa. Archi-

teet, E. A. Stopper, 10 South Eighteenth St., Philadelphia. Owner, A. R. Knight, on premises. Reinforced concrete, stone, cut stone, brick, steel, one story and basement, 119x67 feet, tile and gypsum slag roof, cement floors, plumbing, dampproofing, ornamental iron work, galvanized iron skylights, tin lined doors, limestone, steel, tube, rolled steel sash, metal lath, steam heat, electric light. Contract awarded J. L. Fawley, 1615 Spruce street, Philadelphia.

Factory, Sunbury, Pa., \$58,477. Architect, W. D. Shollenberger, Williamsport, Pa. Owners, Sunbury Industrial Buildings Co., Inc., Sunbury Chamber of Commerce, Martin Keet, Secretary, 342 Market street, Sunbury, Pa. Brick, steel, 2 stories and basement, 81x170 feet, slag roof, steam heat, electric light, steel sash, metal lath. Contract awarded to H. A. Moore Co., Milton, Pa.

Grand Stand (add.), Reading, Pa. Architect, Calvin J. Young, 226 North Sixth street, Reading, Pa. Owners, Reading Fair Co., 503 Penn street, Reading, Pa. Contract awarded to Sharp Construction Co., 22 North Fifth street, Reading, Pa.

Office Building and Freight House, Lebanon, Pa. Architect, S. T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading R. R., Twelfth and Market streets, Philadelphia. Brick, steel, frame, two and one stories, 30x21 feet, wing 30x85 feet, 30x243 feet, rubberoid asbestos built up roof, pine floors, plumbing, wrought iron pipe, painting and glazing, terra cotta coping, ornamental iron work, bond, fire doors, rolled steel sash, hollow metal skylight, metal lath, electric light, hot water heat, metal partitions, vault doors, rolled steel shutters, metal lock dumbwaiters. Contract awarded Rapp Construction Co., Lebanon, Pa.

Residence, Noble Vista, Montgomery Co., Pa. Architect, H. L. Reinhold, Jr., 1513 Walnut street, Philadelphia. Owner, Wm. H. Dewar, care of architect. Stone, brick, hollow tile, stucco, 2½ stories and 1½ stories, 49x15 feet, wing 37x18 feet, hot water heat, electric light, tile work, bond, ornamental iron work, wrought iron pipe. Contract awarded Wills Bill Co., 1706 Sansom street, Philadelphia.

Store and Apartment, Shamokin, Pa. Architect, Wm. H. Lee, 1505 Race street, Philadelphia. Owners, J. J. Newberry Co., 287 Broadway, New York. Brick, terra cotta, three stories, 26x160 feet, built up slag roof, elevators, pine floors, incinerator, plumbing, plumbing, plate glass, metal bulks, hollow metal skylights, tile work, vapor heat, electric light. Contract awarded Shamokin Lumber & Construction Co., Shamokin, Pa.

Stores (2), Garrett Road, Drexel Hill, Pa. Architects, Folsom, Stanton & Graham, 10 S. Eighteenth street, Philadelphia. Owner, H. J. Rittenhouse, on premises. Brick, stone, steel, plaster, one story and basement, 20x60 feet, slag and slate roof, plumbing, pine and cement floors, warm air heat, electric light, metal lath, galvanized iron skylights, waterproofing, ornamental iron work, wrought iron pipe. Contract awarded Bowden Construction Co., 1607 Summer street, Philadelphia.

Columbia Hospital (remodeling and add.), Columbia, Pa. Architect Amos W. Barnes, Perry Building, Philadelphia, and G. E. Paules, Columbia, Pa. Owners, Columbia Hospital, Board of Directors, Columbia, Pa. General remodeling of present building, new additions, brick, concrete and steel, three stories and basement, 41x60 feet. Contract awarded to D. S. Warfel, Lancaster, Pa. Plumbing and heating, Musselman & Schwartz, Lancaster, Pa. Electric, Paul B. Eshelman, Lancaster, Pa.

Grade School, Sharon Hill, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighth

street, Philadelphia. Owners, School District of Sharon Hill, Sharon Hill, Pa. Contract awarded Bowden Construction Co., 1607 Summer street, Philadelphia, \$82,900, who were low bidders on time of completion. Ventilating, J. O'Donnell, 407 Locust street, Philadelphia, \$14,350; heat, American Heating and Ventilating Co., 1505 Race street, Philadelphia, \$9,524; Plumbing, Bulman Bros., Fifth and Cumberland streets, Philadelphia, \$6,666; electric, Merit Electric Co., 630 Race street, Philadelphia, \$1,870.

Residence, Elkins Park, Pa. Architect, Harry Gardner, Allentown, Pa. Owner, Michael Gavula, Mahanoy City, Pa. Mt. Airy granite, vapor heat, electric work, 2½ stories, 40x60 feet, metal lath, tile and marble work, tile roof, hardwood and pine floors. Contract awarded U. C. Stofflet and Tillotson, Wesley Building, Philadelphia.

Residence (double), Oxford, Pa. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner, Mrs. A. Collins, Oxford, Pa. Block, stucco, 2½ stories, 69x26 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to Joseph Crowl, Oxford, Pa.

High School (alts.), York, Pa. Architects, Gemmill & Blumeyer, Rosenmiller Building, York, Pa. Owners, York School Board, D. N. Crider, Secretary, York, Pa. General alterations, changing exits. Contract awarded to C. A. Boyer, York, Pa.

Residence and Garage (alts. and add.), Bryn Mawr, Pa. Architect, R. Brognard Okie, 308 S. Smedley St., Philadelphia. Owner, Dr. Geo. W. Norris, on premises. Painting, glazing, hardware, plastering, millwork, electric work, plumbing, cement work. Contract awarded C. C. Eddleman, 1627 Sansom street, Philadelphia.

Residence, Forrest avenue, near Morris avenue, Wynnewood, Pa. Architect, Charles Willis Gilmore, Fuller Building, Philadelphia. Owner, J. Alfred Corey, care of architect. Frame, 2½ stories, 46x24 feet, shingle roof, oak and pine floors, hot water heat, electric light, plumbing. Contract awarded Metzger, Fisher & White, Otis Building, Philadelphia.

Washington Memorial Chapel, Valley Forge, Pa. Architects, Zantzinger, Borie & Medlary, Otis Building, Philadelphia. Owner, Washington Memorial Chapel, Valley Forge, Pa. Georgia and North Carolina Bays of the Cloister, cut stone, bluestone, copper roof, wood work. Contract awarded H. H. Burrell, 206 South Quince street, Philadelphia.

Residence, Heath Road, Merion, Pa. Architect, private plans. Owner, Robert B. Reinhart, on premises. Stone, concrete block, two stories, 33x61 feet, Ludowici tile roof, hardwood, hot water heat, electric light, tile work. Contract awarded Bencker Realty Co., 6926 Market street, Upper Darby, Pa.

Residence, Royersford, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, Harry Katz, Royersford, Pa. Brick, 2½ stories, 34x26 feet, asbestos shingle roof, oak and tile floors (heating, plumbing and electric and brick work reserved). Contract awarded to Frank L. Walley, Spring City, Pa.

Residence (twin house), Hillcrest Road, Oakmont, Delaware Co., Pa. Architect, private plans. Owner, Wm. M. Anderson, care of builder. Stone, frame, 2½ stories, 32x44 feet, composition roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded Bencker Realty Co., 6926 Market street, Upper Darby.

Residence, Royersford, Pa. Architect, J. V. Poley, 162 Second avenue, Royersford, Pa. Owner, John Haines, Second and Walnut Sts., Royersford, Pa. Brick, two stories, 26x34 feet, asbestos shingle roof, oak and tile floors (heating, plumbing, electric work reserved),

tile work. Contract awarded to Walter Hale, Spring City, Pa.

Residence (alts. and add.), Devon, Pa. Architect, private plans. Owner, H. B. McCollum, Devon, Pa. Concrete block, 2½ stories, carpentry, millwork, painting, glazing, plastering, heating extension, electric light, oak floors. Contract awarded Thompson Lockhart Co., 6 South Fortieth street, Philadelphia.

Open Air Dormitory, near Phoenixville, Pa. Architect, Hoffman Henon, Finance Building, Philadelphia. Owner, Rev. J. J. Wilson, D. D., St. Michael's R. C. Church, 2nd and Jefferson Sts., Phila. One story, 96x31 feet, tin roof, pine floors. Contract awarded F. H. Keiser, Pottstown, Pa.

Store and Apartment (alts. and add.), Harrisburg, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owner, H. T. Hamboy, Front street, Harrisburg, Pa. Brick, three stories, hardwood floors, copper work, plate glass, tile work, marble, metal lath, steam heat. Contract awarded to M. L. Grossman, Harrisburg, Pa.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Berks Co., A-3220, Center Township, Centerport Borough, 12,214 feet. One course reinforced concrete, \$83,035.07. Contract awarded to General Paving Co., Allentown, Pa.

Butler Co., R-75, A-3384, Oakland, Summit, Butler and Center Townships, 10,570 feet. One course reinforced concrete, \$85,297.95. Contract awarded to Wilson, Johnston Construction Co., Appleton, Wis.

Beaver Co., R-347, A-3138, Franklin Township, 5591 feet. One course reinforced concrete, \$45,714.85. Contract awarded to E. A. Freshwater & Sons, Painesville, Ohio.

Berks Co., A-3219, Cumou Township, 4373 feet. One course reinforced concrete, \$50,637.84. Contract awarded to R. D. Richardson Construction Co., Scranton, Pa.

Indiana Co., R-262, Cherry Hill and Green Townships, Clymer Borough, 40,376 feet. One course reinforced concrete, \$342,849.84. Contract awarded to Elder & Merriman, Ebensburg, Pa.

Dauphin Co., R-140, Lower Paxton and W. Hanover Township, 12,155 feet. One course reinforced concrete, \$99,375.06. Contract awarded to Frey Construction Co., York, Pa.

Green Co., Route 256, Center Township, 293,912.80. Contract awarded to Thos. Cronin & Co., Pittsburgh, Pa.

Huntingdon Co., R-193, Sec. 1, Dublin Township, 40,316 feet. Grading and drainage. \$63,918.07. Contract awarded to Ancon Construction Co., Collingswood, N. J.

Blair Co., R-221, Logan Township, 12,751 feet. One course reinforced concrete, \$112,966.81. Contract awarded to Geo. I. Thompson Co., Clearfield, Pa.

Westmoreland Co., R-302, Sec. 7, St. Clair Township, 6312 feet. One course reinforced concrete, \$56,780.45. Contract awarded to John Battenfield Sons Co., Pittsburgh, Pa.

Tioga Co., R-103, Deerfield and Osoela Townships, 30,401 feet. Either bit, surface course on concrete foundation or one course reinforced concrete, \$206,820.15. Contract awarded to Van Auken & Robbins, Troy, Pa.

Bridge, Cameron Co., R-105, Sinnemahoning Creek, width 24 feet, \$104,668.00. Contract awarded to Kerris Eng. Co., Pittsburgh, Pa.

Bridge, Wyoming Co., R-241, Mesoppen Borough, 550 feet. Contract awarded to Whitaker & Diehl Co., Harrisburg, Pa., \$82,027.04.

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New Jersey Construction News

Residence and Garage, Riverton, N. J. Architect, J. Fletcher Street, 1120 Locust street, Philadelphia. Owner, J. Lawrence Lippincott, Riverton, N. J. Hollow tile, stucco, 2½ stories, 30x45 feet, 20x24 feet, slate roof, hardwood and cement floors, vapor heat, electric light, tile and marble. Architect taking bids due June 2nd.

Residence (alts. and add.), Riverton, N. J. Architect, J. Fletcher Street, 1120 Locust street, Philadelphia. Owner, Mrs. Charles Mears, Riverton, N. J. General renovation, plumbing, heating, carpentry and mill work, hardwood floors, painting and glazing. Architect taking bids due June 1st.

School, Brookfield, N. J. Architects, P. L. Fowler Co., Fitzcharles Building, Trenton, N. J. Owners, Ewing Township School Board, Trenton, N. J. Brick, steel, one story. Too early for details.

Alfred Reed School (add.), Prospect Heights, N. J. Architects, P. L. Fowler Co., Fitzcharles Building, Trenton, N. J. Owners, Ewing Township School Board, Trenton, N. J. Brick, steel, one story and basement, 40x120 feet, slate roof, maple floors, hollow tile, safety treads, metal ceilings, iron stairs, bond, tile work, metal lath (heating, plumbing and electric work separate bids). Plans in progress.

School (add.), Trenton Junction, N. J. Architects, P. L. Fowler Co., Fitzcharles Building, Trenton, N. J. Owners, Ewing Township School Board, Trenton, N. J. Brick, steel, 1 story and basement, 40x120 feet, slate roof, maple floors, hollow tile, safety treads, metal ceilings, iron stairs, bond, tile work, metal lath (heating, plumbing and electric work separate). Plans in progress.

Jail (add.) and Warden's Quarters, Flemington, N. J., \$850,000. Architect, R. A. Schumann, 202 West State street, Trenton, N. J. Owners, Board of Chosen Freeholders, Hunterdon County, care of Mr. J. Dineen, Hampton, N. J. Stone, 37x75 feet, 30 cells, monolithic floors, electric work, general alterations. Plans in progress.

Gymnasium, Bordentown, N. J. Architect, R. A. Schumann, 202 West State street, Trenton, N. J. Owners, St. Mary's R. C. Church, Rev. J. J. Sweeney, Bordentown, N. J. Brick, steel, two stories, 440x68 feet, slag roof, hardwood floors, heating extension, electric lighting. Plans in progress.

School, Burlington, N. J., \$40,000. Architect, R. A. Schumann, 202 West State street, Trenton, N. J. Owners, All Saints' R. C. Church, Rev. A. K. Szostakowski, 502 South High street, Burlington, N. J. Brick, steel, two stories and basement, 98x58 feet, slate roof, maple floors, roof ventilators, damp-proofing, steel stairs, electric light, steam heat. Plans in progress.

School, Raritan, N. J. Architect, R. A. Schumann, 202 West State street, Trenton, N. J. Owners, St. Joseph's R. C. Church, Rev. J. B. Ketter, Raritan, N. J. Brick, steel, two stories and basement, 120x62 feet, slate roof, maple floors, hollow tile, roof ventilators, steel stairs, metal lath, steam heat (heating, plumbing, electric reserved). Plans in progress.

Apartment House, Chelsea, Atlantic City, N. J. Architect, C. H. Fries, Drexel Building, Philadelphia. Owner's name withheld. Brick, limestone, steel, six stories and basement, 60x125 feet, slag and gypsum roof, pine, hardwood, cement and tile floors, elevator, oil burning system, waterproofing, ornamental iron work, metal casements, tile and marble work, metal lath, steam heat, electric light. Sketches being drawn.

Bungalows (46), Haddon Heights, N. J. Architect, private plans. Owner, Thomas N. Leeson, Woodlyne, N. J. Frame, 1½ stories, 20x40 feet, shingle roof, oak and pine floors, pipeless heat, electric lights. Plans in progress.

Office Building, Clementon, N. J. Owners, Davis & Gibbs, Real Estate, Clementon, N. J. Brick, steel, 2 stories and basement, 30x50 feet, slag roof, pine floors, steam heat, electric light. Owners ready for sub-bids in one week.

Hotel, Pennsylvania avenue, near Boardwalk, Atlantic City, N. J. Architects, Ritter & Shay, Packard Building, Philadelphia, Pa. Owners, Pennsylvania Hotel, Nur J. Collins, Atlantic City, N. J. Steel, brick, terra cotta, concrete, 11 stories, 164x150 feet, composition roof, tile, cement and oak floors, elevators, water and damp-proofing, architectural terra cotta, steam heat, electric light, tile and marble work, fire doors, floor hardener, ornamental iron work. Plans about completed. Architects will take bids in about a week.

Nurses' Home, Mercer Hospital, Trenton, N. J. Architects, P. L. Fowler Co., Fitzcharles Building, Trenton, N. J. Owners, Mercer Hospital, Mr. Lyons, 196 South Broad street, Trenton, N. J. Brick, steel, concrete, fireproof, three stories and basement, 60x145 feet, slag roof, cement and tile floors, hollow tile, elevators, safety treads, roof ventilators, rolled steel sash, fire doors, iron stairs, ornamental iron work, tile and marble (heating, plumbing and electric reserved). Architects ready for bids.

Office Building, East Hanover street, Trenton, N. J. Architects, P. L. Fowler Co., Fitzcharles Building, Trenton, N. J. Owners, Colonial Land Co., 221 East Hanover street, Trenton, N. J. Brick, steel, one story, 150x20 feet, slag roof, hardwood floors, roof ventilators, ornamental iron work, tile work, metal lath, steam heat, electric light. Plans in progress. Will be ready for bids in one week.

Infirmiry Building, Children's Quarters and Employees' Quarters (add.), Glen Garden, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, Tuberculosis Home, Dr. Engles, Glen Garden, N. J. Architects will advertise for bids in about one week.

Bank and Office Building, 24-30 Commerce street, Newark, N. J. Architect, Geo. E. Jones, Newark, N. J., Dennison & Hicens, 288 Lexington avenue, New York. Owners, Clinton Building Investment Co., Newark, N. J. Brick, reinforced concrete, cut stone, steel, 17 stories and basement, pent house and sub-basement, 104-87 feet, Barrett specified roof, cement floors, elevators, plumbing, brass pipe, wrought iron pipe, shoring, waterproofing, salt glazed terra cotta, ornamental iron work, iron stairs, bond, hollow metal doors, rolled steel sash and skylights, tile, marble and terrazzo work, metal lath, electric light, steam heat, limestone, granite, bluestone, architectural terra cotta, bronze work, steel casement sash, ventilating. Architects taking bids, due June 1st.

United States Post Office, Vineland, N. J. Architect, Jas. A. Wetmore, Washington, D. C. Owners, U. S. Government Treasury Department, Washington, D. C. Brick, concrete, granite, one story, 68x60 feet, composition roof, cement floors, hollow tile, painting and glazing, plumbing, roof ventilators, damp-proofing, ornamental iron work, bond, rolled steel skylights, marble work, metal lath, steam heat, electric light, precast cement, limestone, wrought iron pipe. Owners taking bids, due June 11th, 3 P. M.

Convent, Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owners, St. Joseph's Church, Rev. F. Czernecki,

Camden, N. J. Brick, three stories, 36x48 feet, slag roof, pine floors, hot water heat, electric light. Architect taking bids, due May 30th.

High School, Lambertville, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Lambertville School Board, Lambertville, N. J. Brick, steel, fireproof, 2 stories and basement, 60x80 feet, slate roof, pine floors, hollow tile, safety treads, roof ventilators, ornamental iron work, bond, fire doors, metal lath (heating, plumbing and electric separate). Owners taking bids, due June 1st.

Reformatory Buildings, Clinton, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, Clinton Reformatory for Women, Clinton, N. J. Maternity Cottage—Low bidders: C. J. Smith Construction Co., Trenton, N. J., \$48,824.00; plumbing, David Buist, Newark, N. J., \$3,443.00; heating, David Buist, Newark, N. J., \$3,840.00; electric, D. M. Shea, Madison, N. J., \$2,134.00. Cottages—Low bidders: C. J. Smith Construction Co. Trenton, No. 1, \$148,000.00; No. 2, \$74,594.00. Plumbing, David Buist, Newark, N. J., No. 1, \$8,500.00; No. 2, \$4,300.00. Heating, David Buist, Newark, N. J., No. 1, \$9,200.00; No. 2, \$4,650.00. Electric, Beaver Eng-Co., Newark, N. J., No. 1, \$5,200.00; No. 2, \$2,650.00.

School (add.), Stevens, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Burlington Township School Board, E. H. Russell, Burlington, N. J. Brick, one-story addition, 28x82 feet, slag roof, pine floors (heating, plumbing and electric separate). Low bidders: J. E. Kolster, Beverly, N. J., \$15,425.00; plumbing, J. E. Gandy, Burlington, N. J., \$828.00; heating,

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Burlington Plumbing and Heating Co., Burlington, N. J., \$4,892.00; electric. Chas. D. Beller, Burlington, N. J., \$1,249.00.

Building, Third and Bulson streets, Camden, N. J., \$15,000. Architect, private plans. Owners, Atlantic City R. R. Co., Camden, N. J. Brick, one story, 30x100 feet asphalt roofing, steam heating, electric lighting. Owners will build.

Residences (5), 809 and 821 North Thirtieth street and 810-816-864 North Thirtieth street, Camden, N. J., \$4,500 each. Architect, private plans. Owner, William Townsend, 2929 Westfield avenue, Camden, N. J. Frame, 1½ stories, 24x34 feet, asphalt shingle roof, hot air heat, electric light. Owner will build.

New Jersey Contracts Awarded

Hospital Buildings, Asyla, N. J. Architect, Walter W. Sharpley, 225 Washington Square, Philadelphia. Owners, County of Camden, Board of Chosen Freeholders, Insane Hospital Committee, Court House, Camden, N. J. Contract awarded: J. S. Rogers, Drexel Building, Philadelphia, \$473,260; plumbing, Wm. Newell, 1707 Sansom street, Philadelphia, \$33,914; heating, J. H. Hutchinson, 1020 Callowhill street, Philadelphia, \$30,955; electric, Strang Electric Co., 214 South Seventh street, Philadelphia, \$10,373; lighting fixtures, Strang Electric Co., 214 South Seventh street, Philadelphia, \$1,624.

Buildings, Asyla, N. J. Architect, Walter W. Sharpley, 225 Washington Square, Philadelphia. Owners, County of Camden, Board of Chosen Freeholders, County Farms Committee, Court House, Camden, N. J. Contracts awarded: J. S. Rogers, Drexel Building, Philadelphia, \$250,490; plumbing, N. Connolly, 2404 North Eighteenth street, Philadelphia, \$20,992; heating, J. H. Hutchinson, 1020 Callowhill street, \$13,997; electric, Strang Electric Co., 214 South Seventh street, Philadelphia, \$6,567; electric fixtures, Strang Electric Co., 214 South Seventh street, Philadelphia, \$943.

Building (alts.) and New Building, Third and Jefferson streets, Camden, N. J., \$60,000. Architect, private plans. Owners, MacAndrews & Forbes Co., on premises. Raising roof trusses, 14 feet 5 inches, building walls, new roofing. New Building, reinforced concrete, one story, 100x50 feet, slag roof, electric light, steam heat. Contract awarded to Barclay White Co., 1713 Sansom street, Philadelphia.

Church, Trenton, N. J. Archt. R. A. Schumann, 202 W. State St., Trenton, N. J. Owners, Union Baptist Church, Rev. Stewart, care Architect Stone; 1 story and basement, 45x95 feet, slate roof, hardwood floors, ornamental iron work, steam heat, electric light. Contract awarded to General Cont. & Construction Co., 117 Emory St., Trenton, N. J.

Residence, Trenton, N. J. Architects, P. L. Fowler Co., Fitzcharles Bldg., Trenton, N. J. Owners, Garb Bros., 12 N. Broad St., Trenton, N. J. Brick, timber, 2½ story, 32x59 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to Garrett W. Irons, Yardville, N. J.

Residence (Alterations), 516 S. 5th St., Camden, N. J., \$6700. Architect, A. B. Gill, 328 Market St., Camden, N. J. Owner Ralph Lovuolo, on premises. General alterations. Contract awarded to L. Mealo, 657 S. 3rd St., Camden, N. J.

Dairy Building, Audubon, N. J. Architects, F. Watson, William Heyle-Thompson, Geo. Aikens, 1211 Walnut. Owner Suburban Dairy Co., Audubon, N. J. Contract awarded Fred Lange, Audubon, N. J.

Stores and Residences (2), 931-33 Cambridge St., Camden, N. J. Architect, private plans. Owner, Adolph Newmayer, Camden, N. J. Brick, 2-stys., 16x57 feet and 18x57, slag roof, electric light, hot water heat. Also Garages (2), 1-sty., 8x17 feet. Contract awarded to Robert Schaal & Sons, 2718 Pierce Ave., Camden, N. J.

Delaware Construction News

Cathedral and Rectory, Wilmington, Del. Architect, Geo. I. Lovatt, 223 S. Sydenham St., Philadelphia. Owner St. Peter's Cathedral, Wilmington, Del. General alterations. Plans in progress.

Residence, Wilmington, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner, name withheld. Brick, stucco, 2½ stories, 40x0 feet, slate roof, hardwood floors, hot water heat, electric light. Architect will be ready for bids in one week.

Residences (2), Wilmington, Del. Architect, R. C. Tindall, 914 Orange St., Wilmington, Del. Owner, Anglo Julian, 412 Walnut St., Wilmington, Del. Brick, 2 stories, 22x28 feet, slag roof, pine floors, hot water heat, electric light, tile work. Owner taking bids.

Hospital, Dover Del. Architect, Frank R. Watson, 1211 Walnut St., Philadelphia. Owner, Kent Gen'l Hospital, Inc., Dover, Del. Brick, reinforced concrete, cast stone, steel. 3 stories and basement. 40x135 feet, slag roof, cement and linoleum floors, elevators, plumbing, steam heat, electric light, metal lath, tile and marble work, rolled steel sash, ornamental iron work, metal partitions, dumb waiters. Architect taking bids, due June 2nd.

Road Work, Delaware. Owners, State Highway Dept., Dover, Del. Low bidders on work received May 20th, 1925. Contract CN-22, Mermaid-Milltown, 1.35 miles, Stewart & Donohue Wilmington Del., \$63,738. Contract CK-25, Kenton-Maryland Line, 5.18 miles, George Lynch, Dover, Del., \$179,894.50.

Delaware Contracts Awarded

Stores (3) Apartments (2) Garages (9), Wilmington, Del. Architect, John A. McKibbin, Industrial Trust Bldg., Wilmington. Owners, Monaghan Estate, J. J. Monaghan, 904 Orange St., Wilmington, Del. Brick, concrete block, 2 stories and basement, and 1 story, 57x30 feet, 90x100 feet, slag roof, pine floors, hot water heat electric light. Contract awarded to F. G. Krapf, 421 Orange St., Wilmington, Del.

Garage, Wilmington, Del. Architect, John A. McKibbin, Industrial Trust Bldg., Wilmington. Owner S. Handler, 214 W. 14th St., Wilmington, Del. Stone, 1-story 20x25, feet, slate roof, concrete floors, electric work. Contract awarded to M. Capaldi, 3508 Market St., Wilmington, Del.

Miscellaneous Construction News

Bank, Forest Hill, Md. Architect, J. Hamme, City Bank Building, York, Pa. Owners, Forest Hill School Board, Dr. C. Warren, Forest Hill, Md. Cinder block, stucco, 1-sty., 45x26 feet, built-up roof, pine floors, metal window guards, vault, steam heat, electric light. Plans in progress.

Sibley Hospital, Washington, D. C. Architect, the Ballinger Co., 12th and Chestnut Sts., Philadelphia. Owner Berkley Hospital, Washington, D. C. Architect taking bids, due June 4th.

Proposal

Sealed and separate bids or proposals will be received by the Board of School Directors of the School District of the City of York, Pennsylvania, for the erection and completion of a Senior High School Building to be erected on the plot of ground lying at the northwest corner of West College Avenue and South Beaver Street, York, Pa. The proposals must be submitted separately for the—General construction of the building, Plumbing and Drainage, Electrical Work, and Heating and Ventilating—all in accordance with plans, drawings and specifications prepared by John B. Hamme, Registered Architect, York, Pa. A certified check equal to 5% or an acceptable Surety Company bond equal to 10% of the aggregate amount of the bid must accompany each proposal to guarantee acceptance of contract if awarded.

An acceptable Surety Company bond equal to the full amount of the contract will be required of the successful bidders.

Plans and specifications may be secured from David N. Crider, Secretary of the Board of Directors, in the Central School Building, corner of West King Street and Cherry Alley, York, Pa., upon application accompanied by a deposit of cash or certified check of \$100 for each set of the General Plans and Specifications, \$85 of which will be returned for each set when plans and specifications are returned to said office accompanied with bid. A deposit or certified check for \$50 must accompany applications for each set of the Plumbing and Drainage, Electrical Work, or Heating and Ventilating plans and specifications, \$35 of which will be returned for each set when plans and specifications are returned accompanied with a bid.

In case no bid is received the entire amount of the deposit or check will be forfeited.

On or about June 8th, 1925, plans and specifications will be delivered to persons making application in accordance with the above requirements. Plans and specifications will be on view in the office of John B. Hamme, Registered Architect, Citizens' Savings and Trust Building; in the office of M. O. Lewis, Superintendent of Building and Grounds, in the Central School Building, York, Pa., and at the Builders' Exchanges in Philadelphia, Pa., and Baltimore, Md.

The right is reserved to reject any and all bids.

All bids must be signed, sealed, properly marked with name of contract bid upon, and delivered to David N. Crider, Secretary, Central School Building, York, Pa., before noon of Monday, June 29, 1925.

EDWARD W. NEUMAN,

Chairman of the Committee on Buildings, Grounds and Fuel, of the Board of School Directors of the School District of the City of York, Pa.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., May 14, 1925. Sealed Proposals will be opened in this office at 3 P. M., June 11, 1925, for the construction of a one-story, brick faced, non-fireproof Post Office Building, approximately 68 by 60 feet in size, at Vineland, N. J. Drawings and specifications may be obtained from the Custodian of the site at Vineland, N. J., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

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June 3, 1925

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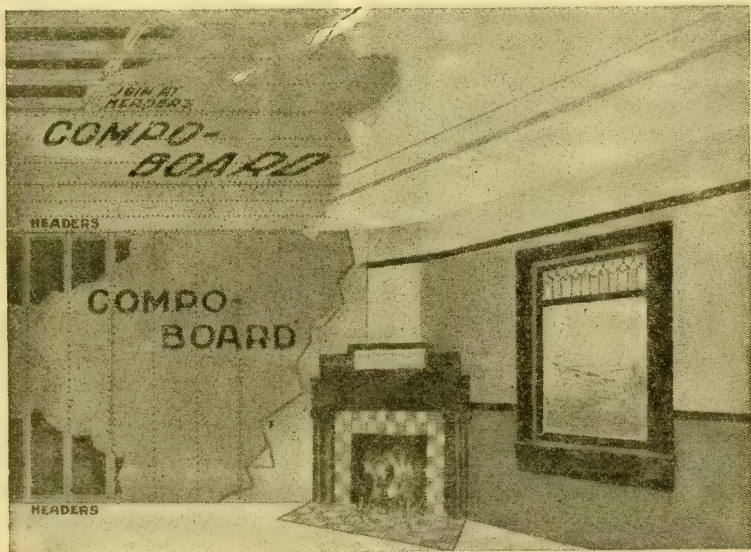
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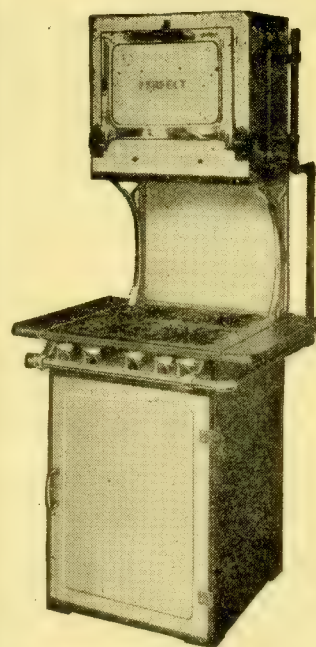
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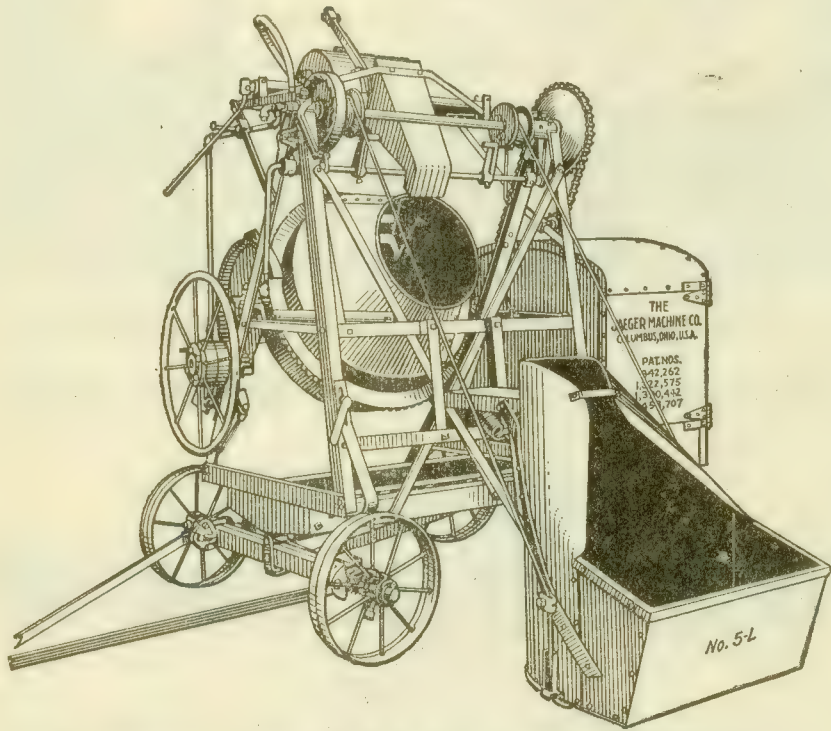
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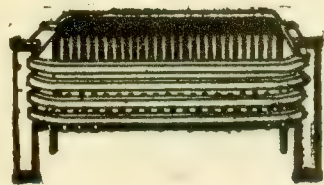
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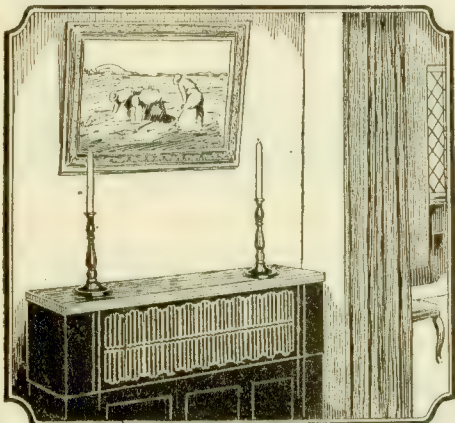
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VOLUME XL
Number 22

PHILADELPHIA
June 3, 1925

BUILDERS' GUIDE

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Sanitary Imps., M. W. Baldwin School, 16th and Porter Sts., Phila. Owner, Board of Education, 19th ab. Chestnut St., Phila. Bond, cement and concrete, struc. steel, brick work, iron work, granite copings, carpentry and millwork, repairs to roof, metal lath, plastering painting and glazing, hardware. (Plumbing, heating electric, res.) Owner taking bids due June 4th.

G. Wm. Wharton School (Alts.), 3rd and Lombard Sts., Phila. Owner Board of Education, 19th ab. Chestnut St., Philada. Bond, demolition, cement and concrete, structural steel brickwork, safety treads, iron work, carpentry and millwork, composition roof, metal lath, plastering, slate and marble work, metal cornice beads, painting and glazing, hardware (plumbing, heating, electric, res.). Owners taking bids due June 4.

Parochial School (Alts.) 29th and Dickinson, Philadelphia. Architect, F. Ferdinand Durang, 1220 Locust St., Philada. Owner, St. Gabriel R. C. Church, Rev. J. P. Mealey, on premises. Architect taking bids due June 8th, 10 A. M.

School, 5th and Spencer Sts., Philada. Architect, Paul A. Monaghan, 1713 Sansom St., Phila. Owner, St. Helena R. C. Church, 5th and Spencer Sts., Phila. Architect taking bids due June 12th.

Alterations and Add., 6726-28 N. 8th Et., Oak Lane, Phila. Architect, Peter F. Getz, Victory Bldg., Phila. Owner, Tersuhow Es-

tate care Max Mandelkern on premises. Architect taking bids due June 8th at noon.

Residences and Garages (34), South side Chew Street, east of Mascher Street, Philadelphia, \$171,500. Architect, private plans. Owners, Mulholland, Gotwals Co., 5711 Mascher Street, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Manufacturing Building, 2034-38 Westmoreland Street, \$20,000. Architect, private plans. Owner, Harry Rose, 1778 Frankford Avenue, Philadelphia. Brick, 2 stories, 40x68 feet, 75x50 feet, slag roof, pine floors, steam heat, electric light. Owner will build.

Residence and Garage, East side Thouron Avenue, north of Gorgas Lane. \$12,000. Architect, private plans. Owner, Geo. G. Elmwood, 7243 Limekiln Pike, Philadelphia. Stone, 2 stories, 26x4 feet, 26x18 feet, slate roof, hardwood, pine and cement floors, hot water heat, electric light, tile work. Owner will build.

Residence and Store, Northwest corner of Seventy-seventh and Buist Avenue, Philadelphia \$6500. Architect, private plans. Owner, J. F. Cemak, 7516 Buist Avenue, Philadelphia. Brick, 2 stories, 16x35 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residence, West side Lawndale Avenue, north of Shelmire Street, Philadelphia, \$5,200. Architect, private plans. Owner, Chas. Goepel, 310 West Olney Avenue, Philadelphia. Frame, 2 stories, 24x36 feet, shingle roof, hardwood and pine floors, electric lighting. Owner will build.

Store and Residence (alts.), Southeast corner Fifty-fifth and Chestnut streets, Philadelphia, \$3,000. Architect, private plans.

Owner, Harry Barstein, Sixty-first and Walnut Streets, Philadelphia. General alterations. Owner will build.

Apartment (alts. and add.), Forty-seventh and Kingsessing Avenue, Philadelphia, \$3,000. Architect, private plans. Owner, Louis Elgart, 5312 Berks Street, Philadelphia. Brick, 3 stories addition, 8x5 feet, general alterations. Owner will build.

Garage, Southeast corner Fifty-first and City Line, Philadelphia, \$15,000. Owners, Independent Realty Co., Northwest corner Fifteenth and Locust Streets, Philadelphia. Stone, 1 story 35x100 feet, cement floors, electric light. Owner will build.

Miscellaneous Work, Philadelphia. Owner, Department of Public Works, Bureau of Engineers, 216 City Hall. Owner taking bids due June 9th. Branch sewers, main sewers, sewage treatment work, Oak Lane intercepting sewer, laboratory equipment. South Philadelphia improvements. Certified check, 5% of amount of bid.

Miscellaneous Work, Philadelphia. Owner, Department of Public Safety, 215 City Hall. Owner taking bids due June 12th for cables, posts and mountings, boxes, solder, cable hooks, paper sleeves, nipples. Certified check, 5% of amount of bid.

Store and Apartments, 325 West Girard avenue, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owner, J. Judelowitz, on premises. Brick, 3 stories, 16x65 feet, slag roof, hardwood floors, electric light, metal lath, tile and marble work, bond, metal bulks. Plans in progress.

Store and Apartments, 2612 West Lehigh Avenue, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owner, care of Architect. Brick, 3 stories, 16x60 feet, slag roof hardwood floors, hot water

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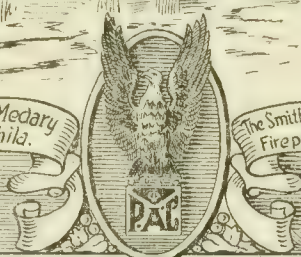
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heat, electric light, metal lath, tile and marble work, hollow metal sash and skylights, store fixtures, bond, flush bulks, ornamental iron work. Plans in progress.

Hotel (add.), Eighth and Walnut streets, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owner, Walnut Hotel, care of Architect. Steel stone, brick, 4 stories, 20x197 feet, slag roof, maple floors, oil and vapor heat, electric light, metal lath, tile and marble work, roof ventilators, metal window guards, hollow metal skylights, fire and kalamein doors, bond, ornamental iron work, iron stairs. Plans completed. Owner will build. Architect is taking sub-bids.

Sesqui Centennial Buildings (6), Broad St., south of Pattison Street, Philadelphia. City Architect, John Molitor, 1315 Walnut Street, Philadelphia. Owner, Sesqui-Centennial Exp. Assoc., care of Col. Collier, Fifth and Chestnut Street, Philadelphia. Steel, stucco, 1 story, various sizes. Plans in progress.

Store and Office, 1517 Chestnut Street, Philadelphia. Architect, Philip H. Johnson, 1713 Sansom Street, Philadelphia. Owner, Wm. H. Hoskin Co., 906 Chestnut Street, Philadelphia. Brick, 6 stories. Sketches drawn.

Residences (42), Cedar Park Avenue and Andrews Avenue, Germantown, Pa. Architect, E. Allen Wilson, 1208 Chestnut Street, Philadelphia. Owner, J. Harry Parker, 4401 Germantown Ave., Philadelphia. Brick, 2 stories, 16x38 feet, 17½x40 feet, tile, slag, tin, slate, asbestos, shingle roof, hardwood floors, hot water heat, electric light, tile work, hollow metal skylights, garages in basement. Owner ready for sub-bids.

Alterations, Southeast corner Eleventh and Market Streets, Philadelphia, \$4,000. Architect, Hoffman & Henon, Finance Building, Philadelphia. Owner, Stanley Company of America, 1916 Race Street, Philadelphia. General alterations. Architect taking sub-bids.

Store and Apartments (alts. and add.), 5221 Walnut Street, Philadelphia. Architect, private plans. Owner, name withheld. Brickwork, slate work, plate glass, marble work, stucco, mineral floors, painting and glazing, oak floors, metal ceiling. J. M. Gill Co., City Center Building, Philadelphia, taking sub-bids.

Private College, near Philadelphia. Architect, Peter Getz, Victory Building, Philadelphia. Owner, name withheld. Stone, steel, 2 stories and basement, will contain, class rooms, dining hall, dormitories, pine, composition and maple floors, steam heat, electric light, plumbing. Preliminary plans in progress, too early for details. Architect will be ready for bids in two months.

Residence and Garage, Clearview and Sedgwick streets, Germantown, Philadelphia. Architects, Druckenmiller & Williams, 1537

Chestnut street, Philadelphia. Owner, E. J. Dorwarth, on premises. Stone, cut stone, brick, 2½ stories and 1 story, 40x25 feet, garage 20x16 feet, tile, variegated slate roof, oak, pine and cement floors plumbing, damp-proofing ornamental iron work, floor hardener, bond, tile and marble work, wrought iron pipe. Architect taking bids due June 5th.

Truck Tire Service Station, 3450 Ludlow street, Philadelphia. Architect, Ellery K. Taylor, 1416 Chestnut street, Philadelphia. Owner, Harold K. Scheff, care of architect. Brick, steel, 1 story and 2 stories, 50x80 feet, slag roof, concrete and composition floors, painting and glazing, plumbing, salt glazed tile, coping, ornamental iron work, bond, rolled steel sash, metal lathe, electric light, steam heat, granite caops, galvanized steel pipe. Architect taking bids due June 5th.

Alterations, 2407 Frankford avenue, Philadelphia. Architect, private plans. Owner, Charles Henry Fox, on premises. Rubber tile floors, oak floors, carpentry and millwork, cement work, marble work, galvanized iron work plastering, hardware, painting. Owner taking bids due June 4th.

Store and Offices (alts.), North East corner 5th and Olney avenue, Philadelphia. Architect, Abraham Levy, Elrae Building, Philadelphia. Owner, name withheld. Brickwork, steel work, steam heat, electric light, maple floors, millwork, tile and marble work, stone, cement, plate glass, flush bulks, steel stairs. Architect taking bids due June 8th.

Residence (alts and add.), 2037 Delancey street, Philadelphia. Architects, J. F. Harberson Paul P. Cret, Otis building, Philadelphia. Owner, F. B. A. Linton & Geo. Myer, on premises. Heating extension, hardware, repairs to tin roof, masonry, iron work, carpentry and millwork, plastering painting and glazing, electric work, imitation stone. Architects taking bids due June 4th.

Contract No. 22, Philadelphia approach, Delaware River Bridge. Owners, Delaware River Bridge Joint Commission, Widener Building, Philadelphia. Owners taking bids due June 17th, 1.30. S. T. for construction of Philadelphia approach, between 5th and 6th streets, and adjacent streets, concrete footings, gravel foundations, concrete and granite masonry and structural metal work for the approach, the grading of the site, construction of sewers and inlets, paving and repaving roadways and side walks. Contract time 11 months. Deposit, \$25,00, refunded. Certified check, \$50,000. Contractors' bond 50% of amount of bid.

Parochial School (Super Structure), Wisconsin, Philadelphia. Architect, Hoffman Henon, Finance Building, Philadelphia. Owners, St. Bartholomew R. C. Church, Rev. J. J. Seanlon, on premises. Stone, limestone, re-

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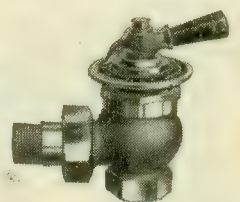
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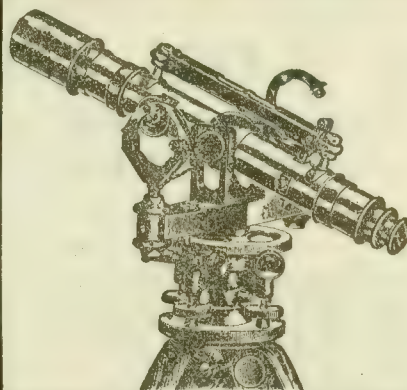


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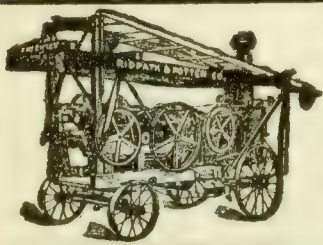
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Shelter Building, 57-58 Sts., Haverford, Westminster St., Philadelphia. City Architect J. Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Welfare, Bureau of Recreation, 595 City Hall. Low bidders Jos. W. McHugh, Cynwyd, Pa., \$5,600; McCormick Lenham, 2403 South Broad street, Philadelphia, \$5,995; electric, Harry W. Hart, 7010 Ditman street, Philadelphia, \$522; plumbing, J. Brugger, 2124 East Cumberland street, Philadelphia, \$1176.

Residences (16), (1) Hasbrook avenue and Chandler street and (15) Wakeling street, East of Allengrove street, \$65,000. Owner, Gus Weber, 401 Chandler street, Philadelphia. Brick, 2 stories, (1) 40x22 feet, (15) 16x30 feet—9x12 feet, hot water heat, electric light. Owner will build.

Residence and Store, 627 Poplar street, Philadelphia, \$5,500. Architect, private plans. Owner, Morris Goosestein, 5714 Warrington avenue, Philadelphia. Brick, 3 stories, 15x23—12x29 feet, slag roof, pine floors hot water heat, electric light. Owner will build.

Residences (2), South side Levick street, West of Bingham street. Architect, private plans. \$5,000 each. Owner, C. C. Campbell, 6419 Bingham street, Philadelphia. Brick, 2 stories, 14x41 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residences (12), 5924-46 Chew street, Philadelphia, \$73,000. Architect, private plans. Owner, Ray G. Frick, 2960 North Judson street, Philadelphia. Brick, 2 stories, 15.6x40 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residences (10), North side Cheltenham street, East of Saul, \$4,000 each. Architect, private plans. Owner, W. Robinson, 4666 Oakland street, Philadelphia. Brick, 2 stories, 20x28 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residences (2), West side Wyoming avenue, North of Orthodox street, \$7,000 each. Architect, private plans. Owner, Jos. B. Brady, Jr., 4600 Wyoming avenue, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Boiler House (alts.), North East corner 64th and Lebanon avenue, \$6,000. Architect, private plans. Owners, Lewis Jones, Inc., on premises. General alterations. Owner will build.

Residences (11), North side Longshore street, Cottage to Gillespie, Philadelphia, \$57,000. Architect, private plans. Owner, Frank Storch, 426 East Roosevelt Boulevard, Philadelphia. Brick, 2 stories, (2) 16x55 feet, (9) 16x41 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (36), Dodson, Mt. Airy and Devon streets, Philadelphia, \$4,500 each. Architect, private plans. Owner, Louis A. Blaul, 5613 Germantown avenue, Philadelphia. Brick, 2 stories, 16x32 feet, slag roof, pine floors, electric lighting. Owner will build.

Manufacturing Building, East side Hegerman street, North of Ashburner. Architect, private plans, \$11,000. Owner, Henry F. Sachsenmaier, Ashburner street, Philadelphia. Iron, 1 story, 56x108 feet, corrugated iron roof, cement floors, electric lighting. Owner will build.

Garage, 6615-17 Quincey street, Philadelphia, \$8,000. Architect, private plans. Owners, McClintock & Weaver, 24 West Philadelphia street, Philadelphia. Stone, 1 story, irregular shape, electric lighting, cement floors. Owner will build.

Residence, South-West corner Verree road and Oakmont street, Philadelphia, \$4,500. Architect, private plans. Owner, Michael Glaser, 1238 North Lawrence street, Philadelphia. Brick, 2 stories, 16x48 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (2), South side Verree road, West of Oakmont street, \$4,000 each. Architect, private plans. Owner, Michael Glaser, South West corner Lawndale and Cottman streets, Philadelphia. Frame, 2 stories, 16x40 feet, shingle roof, pine floors, hot water heat, electric light. Owner will build.

Residences (2), South side Chelwynde avenue, West of 75th street, Philadelphia. Architect, private plans. Owner, Jos. F. Cermak, 7516 Buist avenue, Philadelphia. Brick, 2 stories, 16x32 feet, pine floors, hot air heating, electric light. Owner will build.

Garages (2), North side Allengrove street, West of Duffield street, \$3,500 each. Architect, private plans. Owner, Geo. S. Wardle, 1687 Harrison street, Philadelphia. Brick, 1 story, (1) 18x68 feet—36x22 feet, (1) 46x36 feet, slag roof, cement floors, electric work. Owner will build.

Residence (add.), 848 North 40th street, Philadelphia, \$2,500. Architect, private plans. Owner, A. Tilles, on premises. Brick, 1 story addition, 16x20 feet; 2 stories addition, 20x21 feet. Owner will build.

Store and Residence (add.), North East corner 30th and York streets, \$2,000. Architect, private plans. Owner, M. Robin, 2928 West York street, Philadelphia.

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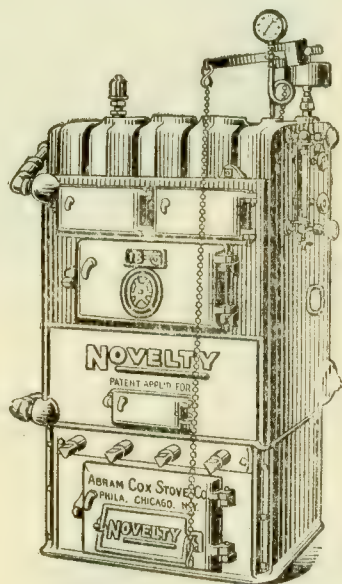
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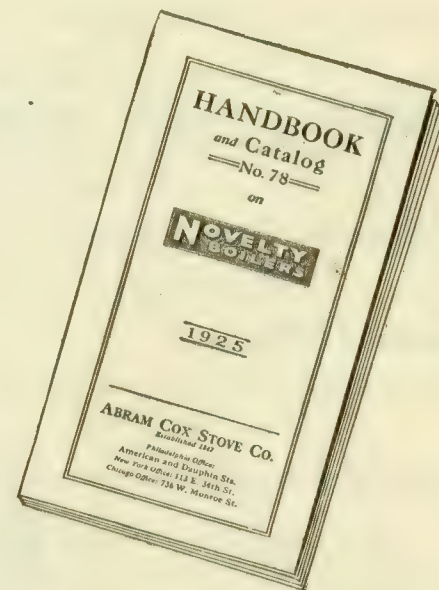
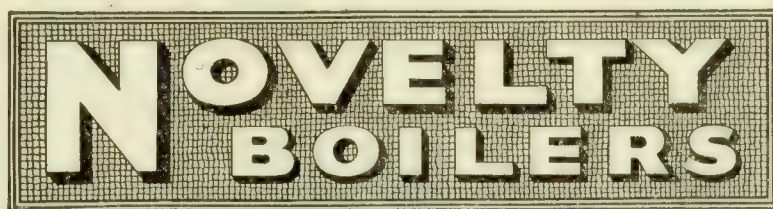
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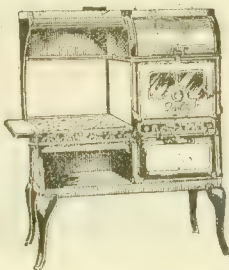
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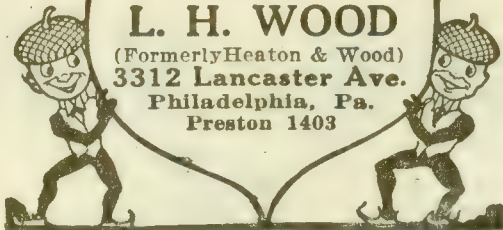
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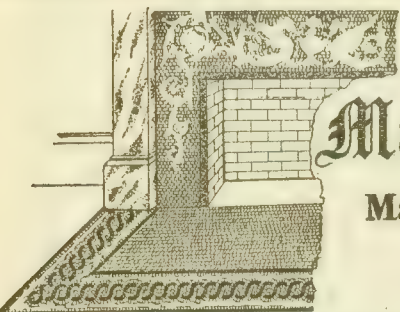
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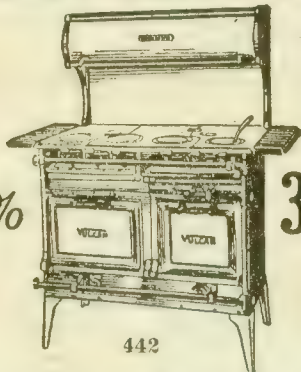
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Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence and Garage, Dakota St., Wynnefield, Pa. Architect, E. A. Roth, Drexel Bldg., Phila. Owner, Jacob Sall, 5075 Parkside Ave., Phila. Stone, 2½ story, 30x40 ft., slate or tile roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded J. Getzik, 1918 N. Park Ave., Phila.

Residence and Garage, Dakota nr. 51st St., Wynnefield, Pa. Architect, E. A. Roth, Drexel Bldg., Phila. Owner, Wm. Sabel, 6033 Drexel Road, Phila. Stone, 2½ stories, 30x42 feet, with wing, slate, or tile roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded J. Getzik, 1918 N. Park Ave., Phila.

Duplex Apt. Bldg., S. W. Cor. 51st and Dakota St., Wynnefield, Pa. Architect, Edwin A. Roth, Drexel Bldg., Phila. Owner, Nathan Lavitte, 3822 Girard Ave., Phila. Stone, stucco, 2 stories, 32x65 feet, Spanish tile roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded J. Getzik, 1918 N. Park Ave., Phila.

Store and Office Bldg., 4023-25 Market St., Phila. Architect, L. B. Rothschild, 215 S. Broad St., Phila. Owner, Isaac Shalkop, 1212 Ridge Ave., Phila. Brick, cut stone, granite, 2 stories and basement, 103x40 feet, slag roof, cement and pine floors, painting, and glazing, plumbing, metal ceilings, ornamental iron work, bond, metal lath, tile and marble work, electric light, steam heat, metal lath, metal toilet partitions, wrought iron pipe, sidewalk elevator. Contract awarded J. W. Emery Co., 34 S. 16th St., Phila.

Building (Alts.) 3636-28 N. Broad St., Phila. Architect, private plans. Owner Horn and Hardart, 214 S. 10th St., Phila. General alterations to restaurant. Contract awarded Harry R. Rust, 724 Ludlow St., Phila.

Residence, North side Friendship street, west of Frontenae Street, Philadelphia, \$5,200 Architect, private plans. Owner, Robert Hapgood, Frankford, Pa. Frame, 2 stories, 26x36 feet, shingle roof, hardwood and pine floors, electric lighting. Contract awarded to H. S. Phifer, Glenside, Pa.

Residences (2), 1114-16 Faunce St., Philadelphia, \$5,000 each. Architect, private plans. Owners, Peter and Nicholas Goss, 1839 North Fourth Street, Philadelphia. Frame, 2 stories, 15x40 feet, shingle roof,

pine floors, electric work. Contract awarded to Louis Klein, 1519 North Bailey Street, Philadelphia.

Garage, 4219 Wayne Avenue, Philadelphia, \$5,000. Architect, private plans. Owner, M. Evanchyk, 4217 Wayne Avenue, Philadelphia. Brick, 1 story, 62x60 feet, slag roof, cement floors. Contract awarded to Frank Rodomski, 4329 North Sixteenth Street, Philadelphia.

Post Office (Station O) (alts.), Tenth and Columbia Avenue, Philadelphia. Architect, private plans. \$10,500. Owner, U. S. Government, G. A. Kemp, Postmaster, Ninth and Market streets, Philadelphia. Cabinet work, carpentry and millwork, wire screens, furniture and chairs fire buckets, step ladders, window shades. Contract awarded Kober Const. Co., 34 South Seventeenth Street, Philadelphia.

Residence and Garage, Thirteenth and Godfrey Avenue, Oak Lane, Philadelphia. Architect, A. H. Mueller, 901 Walnut Street, Philadelphia. Owner, F. J. Schaefer, care of Builder. Brick, stucco, 1½ stories, 26x42 feet, wing 18x20 feet, Spanish tile roof, hardwood floors, quarry stone and random wood slate floors, vapor heat, electric light, metal lath, tile work. Contract awarded Phyl A. Greenspan, 12th below Nedro Avenue, Philadelphia, who is taking sub-bids.

Church, Third and Tabor Road, Philadelphia. Architect, C. A. Ziegler, 1012 Walnut Street, Philadelphia. Owner, Olney Presbyterian Church on premises. Stone, limestone, cut stone, 1 story, 105x55 feet, (electric, plumbing, heating, pews, hardware, reserved), green slate and slag roof, maple floors, painting and glazing, ornamental iron work, bluestone. Contract awarded A. R. Raff Cont. Co., 1635 Thompson Street, Philadelphia.

Store and (5) Residences, 84th and Madison Avenue, Philadelphia. Architect, private plans. Owner, Mr. Franze Hoppe, care of Builder. Brick, stone foundations, 2 stories, 16x42 feet, slag roof, hardwood floors, galvanized cornices, plate glass, metal bulks, tile work, hot water heat, electric light. Contract awarded C. S. Barrett, 1633 South Fifty-ninth Street, Philadelphia, who is taking sub-bids due at once.

Store House, 606 South Ninth Street, Philadelphia, \$25,000. Architect, Henry Coscia, 1611 South Fifteenth Street, Philadelphia. Owner, Tripoli Barber Supply Co., 606 South Ninth Street, Philadelphia. Brick, 4 stories, 109x22 feet, slag roof, pine floors, elevators, hot water heat, electric light, fire doors. Contract awarded Felix Claro, Pennsylvania Building, Philadelphia.

Alterations, 1629 Chestnut Street, Philadelphia. Architect, (LeRoy B. Rothschild, 215 South Broad Street, Philadelphia. Owner, Heyman and Bros., 213 South Broad St., Philadelphia. Marble and tile work, electric work, painting and glazing, plate glass, concrete and cement work, plastering, carpentry and millwork, plumbing, steam heat, sprinkler system. Contract awarded J. Schnabel, Denckla Building, Philadelphia.

Factory, Ontario, below Richmond Street, Philadelphia. Architect, J. H. Rackie, 4448 Frankford Avenue, Philadelphia. Owner, Enterprise Tallow and Grease Company, on premises. Brick, steel, 2 stories, 48x70 feet, slag roof, cement floors, rolled steel sash, fire doors, ornamental iron work. Contract awarded J. S. Rogers, Drexel Building, Philadelphia.

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Building (alts. and add.), 1810 Market Street, Philadelphia. Owner, J. Cutler Roberts, 10 South Eighteenth Street, Philadelphia. Owner, J. Cutler Fuller, on premises. Tile work, brick work, carpentry and mill work, plastering, metal lath, painting and glazing, pine floors, ornamental iron work, copper bulk windows, iron cellar doors, (heating and electric, resered.) Contract awarded Thomas C. Trafford, 1613 Sansom Street, Philadelphia.

Store (alts.), Germantown and Lehigh avenues, Philadelphia. Architect, private plans. Owner, Shelmire Department Store, C. and W. Shelmire, Lehigh and Germantown Avenues, Philadelphia. Brick, 3 stories, carpentry and millwork, plastering, painting and glazing, electric work. Contract awarded H. P. Werner and Co., 3243 Germantown Avenue, Philadelphia.

Store and Apartment, Southeast corner Fifth and Cambria Streets, Philadelphia. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, Z. Rosenfeld, on premises. Brick, steel, steam heat, electric light, metal lath, new slag roof, oak floors, plumbing, ornamental iron work, brickwork, cement work, tile and marble work, oil burning equipment, painting and glazing. Contract awarded Arcade Construction Co., Finance Building, Philadelphia.

Garages (2), 6306-08 Wissahickon Avenue, Philadelphia. Architect, A. H. Savery, 1309 Locust Street, Philadelphia. Owner, Sam Lashof and G. F. Mollenkoff, on premises. Brick, stone, rough east, 1 story, 18x22 feet, slate and tin roof, cement floors, electric light. Contract awarded Henshaw Bros., 634 West Johnson Street, Philadelphia.

Convent (alts.), Chestnut Hill, Pa. Architect, private plans. Owner, Mt. Joseph Convent, Chestnut Hill, Pa. Carpentry and millwork, interior alterations, painting and glazing, plastering. Contract awarded John McShain, 1713 Sansom street, Philadelphia.

Manufacturing Building, North side Wyoming Avenue, east of Third Street, Philadelphia, \$18,000. Architect, private plans. Owner, Dalon Mills Co., 25 West Wyoming Avenue, Philadelphia. Brick, 1 story, 50x125 feet, slag roof, electric light, metal lath, steam heat. Contract awarded to A. E. Barnes, 2044 East Clementine Street, Philadelphia.

Garage, 231-33 North Sixty-first street, Philadelphia, \$10,000. Architect, private plans. Owner, Chas. M. Franklin, 802 North Marshall Street, Philadelphia. Brick, 1 story, irregular shape, slag roof, cement floors. Contract awarded to S. Goldstein, 421 North Forty-first street, Philadelphia.

Residence, 805 South Eighth Street, Philadelphia, \$7,500. Architect, private plans. Owner, P. Strena, 808 South Eighth Street, Philadelphia. Brick, 3 stories, 16x29 feet, 13x31 feet, slag roof, hot water heat, electric light, pine floors. Contract awarded to R. Parisi, 132 South Tenth Street, Philadelphia.

Residence, West side Ardleigh Street, north of Benezet Street, \$8,000. Architect, private plans. Owner, William Wolverton, 224 East Willow Grove Avenue, Philadelphia. Brick, 2 stories, 22 feet 10 inchesx55 feet, slate roof, oak and pine floors, hot water heat, electric light. Contract awarded to Wolverton & Co., 224 East Willow Grove Avenue, Philadelphia.

Residences (2), West side Algon Street, south Cottman Street, Philadelphia, \$6,000 each. Architect, private plans. Owner, Albert Haas, 3025 Emerald Street, Philadelphia. Frame, 2 stories, 16x46 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Emil Heier, 1548 Cottman Street, Philadelphia.

Apartment (alts. and add.), 1716-18 North Twelfth street, Philadelphia, \$6,000. Architect, private plans. Owner, Adam Berle, 12th

and Montgomery Avenue, Philadelphia. Brick, 2 stories addition, 16x19 feet, steam heat, general alterations. Contract awarded to Geo. Kessler Cont. Co., 1733 North Marvine Street.

College (alts.), 145 North Tenth Street, Philadelphia, \$5,665. Architect, private plans. Owners, College of Pharmacy, on premises. General alterations. Contract awarded to J. H. Hutt, 5919 Spruce Street, Philadelphia.

Apartment (alts.), Southwest corner Thirty-seventh and Hamilton Streets, Philadelphia, \$5,000. Architect, private plans. Owner, I Dornblum, 721 Walnut Street, Philadelphia. General alterations. Contract awarded to Wm. M. Smelo, 121 North Seventh Street, Philadelphia.

Residences (2), East side Forrest Avenue, north of Johnson Street, Philadelphia, \$5500 each. Architect, private plans. Owner, Louis Hart, Chelton and Chew Street, Philadelphia. Brick, 2 stories, 16x37 feet, oak and pine floors, hot water heat, electric light. Contract awarded to James Riley and Son, Forrest Avenue, Mt. Airy.

Residence, East side Colgate Street, North of Comly Street, Philadelphia, \$4,000. Architect, private plans. Owner, Joseph C. Walker, 400 Robbins Avenue, Philadelphia. Frame, 1 story, 24x28 feet, 16x6 feet, shingle roof, hot air heat, electric light. Contract awarded to C. C. Campbell, 6419 Bingham Street, Philadelphia.

Residence, South side Brighton Street, east of Loretta Street, \$9,000. Architect, private plans. Owner, W. J. McMenomay, 620 Wingohocking Street, Philadelphia. Frame, 2 stories, 0x28 feet, shingle roof, hardwood and pine floors, steam heat, electric light, tile work. Contract awarded to Jas. H. Moore, 1939 East Somerset Street.

Residence, South side Loney street, east of Castor Avenue, Philadelphia, \$4,000. Architect, private plans. Owner, John Livezey, Bustleton, Philadelphia. Frame, 1 story, 24x34 feet, shingle roof, hardwood and pine floors, hot air heat, electric light. Contract awarded to Thos. C. Copeland, Bustleton, Philadelphia.

Residence (alts. and add.), 1601 North Twelfth Street, Philadelphia, \$3,500. Architect, private plans. Owner, M. Lucker, 1121 Columbia Avenue, Philadelphia. Brick, 2 stories addition, 16x16 feet, general alterations. Contract awarded to Geo. E. Hawk, 628 North 12th Street, Philadelphia.

Residence (add. and alts.), South side of Welsh Road, East of Bustleton Avenue, Philadelphia, \$6,000. Owner, F. E. Masland, Bustleton, Philadelphia. Frame, 1 story addi-

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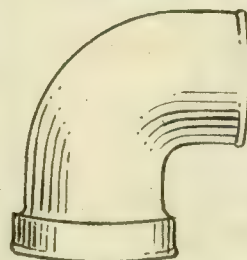
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tion, 16x10 feet, general alterations. Contract awarded to H. S. and S. E. Slack, 6311 Woodlawn Avenue.

Boiler House (alts.), Northwest corner Kinsell and Worth Streets, \$5,000. Owners, Globe Dye Works Co., on premises. General alterations. Contract awarded to H. E. Baton & Co., 1713 Sansom street, Philadelphia.

Residence (alts.), South side Chestnut avenue, west of Towanda Street, Philadelphia, \$3,000. Architect, private plans. Owner, Henry I. Brown, Wissahickon Avenue and Manheim Street, Philadelphia. General alterations. Contract awarded to Wm. C. Wright, 22 Harvey Street, Germantown, Philadelphia.

Residence (add. and alts.), East side Verree Road, north of Rhawn Street, Philadelphia, \$3,000. Architect, private plans. Owner, Wm. H. Boardman, 2201 East Dauphin St.,

Philadelphia. Frame, 1 story addition, 15x14 feet, general alterations. Contract awarded to H. S. and S. E. Slack, 6311 Woodlawn Avenue.

Residences (add. and alts.), East side Bustleton Avenue, south of Byberry road, Philadelphia, \$2500. Owner, Fred W. Livezey, Bustleton and Somerton Avenues, Philadelphia. Frame, second story addition, 17x39 feet, general alterations. Contract awarded to Fesmire Bros., Huntingdon Valley, Pa.

Residence (add.), 337 West Mt. Airy Avenue, Philadelphia, \$2,000. Architect, private plans. Owner, Wm. J. Jennings, Jr., 337 West Mt. Airy Avenue, Philadelphia. Brick, second story addition, 14x14 feet. Contract awarded to M. C. Grebe, 5 East Highland Avenue, Philadelphia.

Dye Huse (add.), 1926-28 John street, Philadelphia, \$4500. Architect, private plans. Owner, Paul Chrostos, on premises. Brick, 1 story, 24x40 feet, slag roof, electric light, steam heat. Contract awarded to Harry C. Haering 1144 East Sedgley Avenue.

Residences (2), North side Dearnley Street, east of Eva street, Philadelphia, \$4,000 each. Architect, private plans. Owner, W. G. Fry, 7700 Ridge Avenue, Philadelphia. Brick, 2 stories, 1x4 feet, slag roof, pine floors, electric lightning. Contract awarded to Adam Wilkinson, 439 Harmon road, Philadelphia.

Garage, rear of 829 North Sixth Street, Philadelphia, \$3500. Architect, private plans.

Owner, M. Albert, on premises. Brick, 1 story, 20x43 feet, slag roof, cement floors. Contract awarded to M. Rosenhack, 709 Parrish Street, Philadelphia.

Buildings No. 6 and 10 (alts. and add.), Corinthian and Girard Avenue, Philadelphia. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owner, Girard College, on premises. Brick, cut stone, plastering, painting, hollow tile, slate, plumbing, hardware, electric. Contract awarded E. H. Keefer, 1321 Rodman Street.

Store and Residence (add.), Southeast corner Tulip and Princeton Avenue, Philadelphia. Architect, private plans. Owner, William Dimling, on premises. Brick, 2 stories, 14x1 feet slag roof, pine floors, electric work. Contract awarded to Chas. Schwarz, Pierson and Frankford Avenue.

Store and Residence (alts.), 4081 Lancaster Avenue, Philadelphia, \$2,250. Architect, private plans. Owner, Wm. McIntyre, Agent, 4080½ Lancaster Avenue, Philadelphia. General alterations. Contract awarded to J. Bierbing & Son, 3902 Warren Street, Philadelphia.

Residence (alts. and add.), 2113 Columbia Avenue, Philadelphia. Architect, private plans. Owner, P. Denco, on premises. Brick, 1 story addition, 17 feet 10 inchesx14 feet, general alterations. Contract awarded to H. Alterman, 4521 Baltimore Avenue, Philadelphia.

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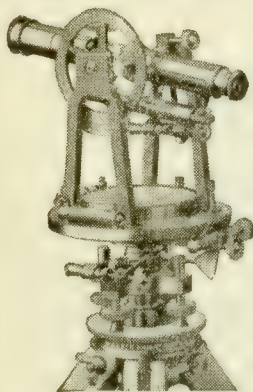
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PENNSYLVANIA Construction News

Apartment House, Highland Park, Pa. Architect Engineer, M. M. Boonin, 17 South Seventeenth Street, Philadelphia. Owner, Jakis & Malen, 6019 Market Street, Philadelphia. Stone, concrete block, 3 stories, 60x70 feet, vapor heat, electric light, metal ceilings, tile work, slag and tile roof, oak and pine floors, hand operated elevator, waterproofing, hollow metal skylights, iron stairs, ornamental iron work. Owner taking sub-bids due as soon as possible.

Storm Drain, Prospect Park, Pa. Architect, Damon and Foster, 6119 Market St. Phila. Owner, Borough of Prospect, J. Leslie Gallo-way, Prospect Park, 24 inch storm drain. Owner taking bids due June 5th, 8 P. M. (D. L. S.)

Church Sunday School and Auditorium, Kennett Square, Pa. Architect Price and Walton, 119 S. 4th St., Phila. Owner, First Baptist Church, Kennett Square, Pa. Stone, cut stone, 76x35 feet, wing 16x29 feet, slate roof, hardwood floors, plumbing, hot water heat, electric light. Architect taking bids due June 6th.

Bank, Middleton, Pa. Architect, C. J. Lappley, Ebner Bldg., Harrisburg, Pa. Owners, Citizen's National Bank, Dr. E. Laverty, Chairman, Bldg. Committee, Middletown, Pa. Stone, marble, 1 story, 35x100 feet, composition roof, metal sash, bronze work, vault. Architect taking bids due June 10th.

Residence and Garage 2nd and Manor Sts., Harrisburg, Pa. Architect, C. J. Lappley, Ebner Bldg., Harrisburg, Pa. Owner, Chas. W. Burtnett, 1631 N. 2nd St., Harrisburg, Pa. Stone, 2½ stories, 40x60 feet, 1 story 24x24 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble. Architect taking bids due June 8th.

City Hall and American Legion Hall, Steelton, Pa. Architect, C. J. Lappley, Ebner Bldg., Harrisburg, Pa. Owners, care J. C. Craig, Steelton, Pa. Architectural terra cotta, fireproof, 3 stories, 40x80 feet, slag roof, composition and tile floors, vapor heat, electric light, tile and marble, metal sash, bronze doors, ornamental iron. Architect taking bids due June 8th, at 4 P. M.

Twin Residences, Royersford, Pa. Architect, J. Vincent Poley, 162 Second Ave., Royersford, Pa. Owner, Edwin Graf, Main and 7th Sts., Royersford, Pa. Brick, 2 stories, 28x33 feet, tin roof, pine floors, pipeless heat and electric light. Plans completed. Owner ready for bids.

Apartment House. (improvements), Spring City, Pa. Architect, J. Vincent Poley, 162 Second Ave., Royersford, Pa. Owner, D. D. Skinner, Spring City, Pa. Brick, 3 stories, 29x59 feet, slate roof, pine floors, vapor heat, electric light, metal sash, bond, fireproofing. Plans in progress. Owner ready for bids.

Bank and Office Building, Wilkes-Barre, Pa. \$100,000. Architects, Simons, Brittain & English, 929 Chestnut St., Philada. Owners, Heights Deposit Bank, James H. Shea, President, R. J. Stout, Cashier, 227 E. Market St., Wilkes-Barre, Pa. Brick, stone, steel, hollow tile, 3 stories, basement, and mezzanine, 40x84 feet, steam heat, electric light, marble work, iron work. Owners taking bids due June 9th.

Club House, Atlantic City, N. J. Architects, Carrere and Hastings, 52 Vanderbilt Ave., New York. Owners, Club House at the Airport, Atlantic City, N. J. Brick concrete, 2 stories, 150x50 feet. Owners will take bids in two weeks.

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Salvation Army Headquarters, Scranton, Pa. \$100,000. Architect, Lester M. Davis, 616 Spruce St., Scranton, Pa. Owners, Salvation Army, 120 W. 14th St., New York. Brick, steel, 3 stories, 42x110 feet. Preliminary plans in progress.

Service Bldg. and Locker Room, Rutherford, Pa. Architect, Samuel T. Wagner, 12th & Market Sts., Philada. Owner Phila. & Reading R. R., 12th & Market, Phila. Brick, concrete, steel, 1 story, 55x11 feet, built up asbestos roof, asphalt floors, plumbing, steam heat, electric light, orn. iron work, terra cotta coping. Owner taking bids due June 8th.

Church, Chester, Pa. Architect, Walter E. Hance, Hollyoak, Del. Owner, St. Luke's United African Methodist Episcopal Church, on premises. Brick, 2 stories and basement, 50x0 feet, slag roof, electric light. Plans in progress.

Apartments (alts.), Wayne, Pa. Architects, Dreher and Churchman, Otis Building, Philadelphia. Owner, J. K. Stone, Wesley Inn, Wayne, Pa. Frame, 3 stories, 40x90 feet, shingle and slate roof, hardwood floors, electric light, tile work. Plans in progress. Owner will take sub-bids in about 2 weeks.

Silk Mill, Emaus, Pa. Architects, Jacoby and Everett, Commonwealth Building, Allentown. Owners, Tremont Silk Co., care of Architects. Mill construction, steel, 1 story, saw tooth, 120x140 feet, Boiler House, 40x50 feet, Johns Manville roof, maple floors, roof ventilators, steel sash, steam heat, electric light. Plans in progress.

Office Building, Windber, Somerset County, Pa. Architect, Henry L. Reinhold, 1513 Walnut Street, Philadelphia. Owner, Windber Electric Co., Windber, Somerset Co., Pa. Plans and specifications completed. Architect ready for bids.

Alms House, Wescoesville, Pa. Architect, David Levy, 949 Hamilton Street, Allentown, Pa. Owner, Lehigh Co. Commissioners, C. J. Dilcher, Controller, Court House, Allentown, Pa. Brick, concrete, 3 stories, 300x200 feet, elevators (2), iron stairs. All bids rejected. Revised plans in progress.

Residence, Wynnewood, Pa. Architect, Webber and Wurster, 1530 Locust Street, Philadelphia. Owner, Mrs. Geo. Barrie, care of Architect. Concrete (cinder) and stucco, 2½ stories, 45x75 feet, slate roof, hardwood floors, hot water heat, electric light. Plans in progress. Will be ready for bids in 2 weeks.

Home, Lehigh, Pa. Architect, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Masonic Home, Lehigh, Pa. Brick, steel, tile, 3 stories, 65x130 feet, slag roof, hardwood and composition floors, hollow tile, safety treads, steal sash, tile work, metal lath, electric light, steam heat. Architects will be ready for bids next week.

Hotel, Lebanon, Pa. Architect, Webber & Wurster, 1530 Locust street, Philadelphia. Owner, Lebanon Hotel Co., Lebanon, Pa. Steel, concrete, brick, 6 stories, 100x200 feet, steam heat, electric light, slag roof, cement, tile and marble floors, elevators, painting and glazing, limestone terra cotta, iron stairs, ornamental iron work, kalamein and hollow meta ldoors, rolled steel and wood sash, galvanized iron skylights. Architect taking sub-bids due June 10th.

Twin Residences, Wyomissing, Pa. Architect, J. L. Stetler and H. Deysher, Jefferson Building, Philadelphia. Owner, A. L. Gehret, Wyomissing, Pa. Brick, stucco, 2½ stories, 30x50 feet, hot water heat, electric light, tile work, shingle tin roof, hardwood floors. Owner will take bids.

Residence (3), Wynnewood, Pa., (and garage). Architect, R. A. Kerns, Fuller Building, Philadelphia. Owners, Russel Neff, Lot No. 76, Frank Zell, Lot No. 52, Norman Mac-Beam, Lot No. 75, Wynnewood, Pa. Stone,

brick, hollow tile and stucco, 2½ stories, (2) 40x75 feet, (1) 40x90 feet, garages (2) 20x24 feet, (1) 25x32 feet, slate roof, hardwood and cement floors, hot water and vapor heat, electric light, tile and marble work. Architect will build.

Church and Sunday School, Tipton, Pa. Architect, Geo. E. Savage, Witherspoon Building, Philadelphia. Owner, First Reformed Church, care of G. Smith, Tipton, Pa. Brick, 2 and 1 stories, 50x100 feet. Owner will build.

Residence, Lansdowne, Pa. Architect, J. L. Stetler and H. M. Deysher, Jefferson Building, Philadelphia. Owner, P. McCafferty, 1317 North Fifty-second, Philadelphia. Stone, stucco, 2½ stories, shingle roof, hardwood floors, hot water heat, electric light. Plans contemplated. Owner ready for sub-bids.

Twin Residences (3 pair), Manoa, Pa. Architect, J. L. Stetler and H. M. Deysher, Jefferson Building, Philadelphia. Owner, Home Builders' Company, 1482 North Fifty-second street, Philadelphia. Mineral stucco, 2½ stories, hot water heat, electric light, tile work, shingle roof, hardwood floors. Owner will build, and will take sub-bids.

Residence, Manoa, Pa. Architect, J. L. Stetler and H. M. Deysher, Jefferson Building, Philadelphia. Owner, Maurice F. Townsend, 5414 Market Street, Philadelphia. Mineral stucco, 2½ stories, hot water heat, electric light, shingle roof, hardwood floors. Owner will build and will take sub-bids.

Store and Apartment Building, 26 East Seventh Street, Chester, Pa. Architect, Jesse T. Hoekstra, 1713-15 Sansom street, Philadelphia. Owner, Allen P. Musselman, Chester, Pa. Brick, cut stone, concrete steel, 3 stories and basement, 119x45 feet, slag roof, oak and composition floors, hollow tile, metal ceilings, metal lath, tile work, metal cover sash, hollow metal skylights, kalamein and hollow metal doors, ornamental iron work, flagstone or bluestone. The following are reserved: plumbing, refrigeration, heating, electric work, oil burning equipment, folding beds, kitchen cabinets, gas ranges, wall safes, medicine cabinets, finished Hardware, Elevator work, composition floors in kitchen. Architect taking bids due June 5th.

Residence, Noble Vista, Pa. Architect, private plans. Owner, John D. Siegfried, Noble Vista, Pa. Stone, 2½ stories, 38x27 feet, variegated slate roof, oak and pine floors, hot water heat, electric light, tile work, ornamental iron work. Owner taking bids due June 8th.

Residence, Wynnewood, Pa. Architect, Webber and Wurster, 1530 Locust Street, Philadelphia. Owner, Mrs. J. B. McCall, care of Architect. Stone, 2½ stories and basement, 67x25 feet, wing, 25x26 feet, (plumbing, heating, electric, elevators, reserved), variegated slate roof, oak, pine and cement floors, metal weatherstrips, metal lath, tile and marble work, rolled steel sash, ornamental iron work, elevator doors, flagstone walks. Architects taking bids due June 6th.

Junior High School (alts.), Easton, Pa. Architect, E. H. Wenzelberger, 224 Northampton Street, Easton, Pa. Owners, School Board of Easton, Easton, Pa. General alterations. Architect and owners taking bids due June 26.

Apartment and Garage, William Penn Highway and Beechwood Street, Bethlehem. Architect, C. F. Spangenberg, 504 Broadway, Bethlehem, Pa. Owner, R. P. Luken, 320 Spring Street, Bethlehem, Pa. Brick, steel, 2 stories 32x50 feet, slate roof, fireproof floors, hot water heat, (electric, res.). Owner taking bids.

Store and Apartment (alts. and add.), Bethlehem, Pa. Architect, C. F. Spangenberg, 504 Broadway, Bethlehem, Pa. Owner, John Hartman, 125 East Third Street, Bethlehem, Pa. Brick, steel, 1 story, 20x60 feet,

slag roof, maple floors, hot water heat, electric light, plate glass, copper work, tile and marble. Owner ready for bids.

School Building, Miscellaneous Work, Haverford Township, Pa. Owner, School District of Haverford Township, E. S. Moore, Secretary, Haverford Township, Pa. School furniture painting, flag poles. Painters' supplies furnished by Owners. Owner taking bids due June 5th at noon.

School (add.), Brookline, Pa. **High School Building (add.)**, South Ardmore, Pa. **School (add.)**, Manoa, Pa. Architects, Boyd, Abel & Gugert, 701 Otis Building, Philadelphia. Owner, School District, Haverford Township, Jos. W. Huff, Supt., Haverford, Pa. General construction, plumbing, heating, electric, plans and specifications may be secured from Architect office. Architect taking bids addressed to Supt. due June 8th at noon.

High School, 13th & Oley & Palm St., Reading, Pa. Architect, Ritcher & Eiler, Reading, Pa. Owner, Board of Education, Adam N. Leader, Reading, Pa. Low bidders: Melody & Son, 1322 Race St., Phila., \$1,026,000; Sinclair & Griggs, Medical Arts Bldg., Phila., \$1,074,800; electric, Reading Electric Co., Reading Penna., \$46,900; plumbing, Herre Bros., Harrisburg, Pa., \$61,400. D. J. Keating, 2042 Rittenhouse St., Phila., \$62,723—Alternate deduct. \$2,300. Heat and Ventilation, N. Connolly, 1404 N. 18th St., Philadelphia, \$146,446.

Road Work, Pennsylvania. Owners, Penna. Dept. of Highways, Harrisburg, Pa. Owners taking bids due June 9th at 10 A. M.:

Allegheny Co., R-770, Tarentum Borough, 3938 feet, one course reinforced concrete. Certified check \$1,500.

Allegheny Co., R-187, Sec. 2-B, Patton Township, 24,489 feet; one course reinforced concrete. Certified check \$3,500.

Allegheny County, R-257, A-3174, N. Fayette Township, 18,100 feet; one course reinforced concrete. Certified check \$3,000.

Armstrong County, R-69, 71, E. Franklin Township, Applewold Borough, 2843 feet; one course reinforced concrete. Certified check, \$1,500.

Beaver County, R-243, Sec. 3, Ohio Township, 8446 feet; one course reinforced concrete. Certified check, \$2,000.

Blair County, R-53,260, Hollidaysburg Borough, 2791 feet; one course reinforced concrete. Certified check, \$1,500.

Carbon County, A-3275, Lansford Borough, 375 feet, vitrified brick pavement on a base course consisting of 5-in. broken stone and 3-in. penetration macadam. Certified check, \$1,500.

Clearfield County, R-221, A-3366, Chest Township, 21,120 feet; one course reinforced

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concrete. Certified check, \$3,000.

Forest County, R92, Sec. 1, Green Township, 13,688 feet; one course reinforced concrete. Certified check, \$2,500.

Mifflin County, R-29, Lewistown Borough, Derry Township, 6401 feet; one course reinforced concrete. Certified check, \$1,500.

Susquehanna County, R-296, A-1636, 3009, Lanesboro & Susquehanna Townships, 9982 feet. One course reinforced concrete and hillside vitrified brick. Certified check, \$2,000.

Westmoreland County, R-118, Sec. 2, Ros-traver Townships, 8950 feet; one course reinforced concrete. Certified check, \$3,000.

Washington County, R-118, Bentleyville & Ellsworth Boroughs, 5577 feet; one course reinforced concrete. Certified check, \$2,000.

Pennsylvania Contracts Awarded

Residence, Newtown Rd. and Leopard Rd., Devon, Pa. Architect, Seeburger & Rabenold, 1524 Chestnut St., Phila. Owner, Mrs. Thomas R. Neilson, care architect. Stone, brick, cut stone, 2½ story, and basement, 114 x34 feet (heating plumbing electric weatherstripping res.) slate roof, oak pine and cement floors, metal lath, tile work, bond, ornamental iron work, limestone. Contract awarded J. E. Kearney, Wynnewood, Pa.

Power House, Paulsboro, N. J. Architect, private plans. Owner, Vacuum Oil Co., on premises. Brick, steel, 31x60 feet, gypsum roof, cement floors, electric light, rolled steel sash, subway grading. Contract awarded White Constr. Co., Jefferson Bldg., Philada.

School, Greensburg, Pa. Architects, M. E. Kressley Co., Commonwealth Building, Harrisburg, Pa. Owners, Greensburg School Board, Mary R. Peoples, Secretary, Greensburg, Pa. Brick, reinforced concrete, hollow tile, granite, stone, 3 stories and basement, 145x250 feet, asphalt, composition and tile roof, pine, wood block, terrazzo and composition floors, hollow tile roof ventilators, water and dampproofing, wire work, ornamental iron work, iron stairs, Bond, fire and kalamein doors, (heating and ventilating, plumbing and electric work, separate). Contracts awarded, general, National Concrete Fireproofing Co., Cleveland, Ohio, \$436,000. Heating and ventilating, D. E. Ruffner, Greensburg, Pa. \$64,873; Plumbing, Herre Bros., Harrisburg, Pa., \$31,469; Electric work, Wm. Murphy, Greensburg, Pa., \$20,000—Alternate, \$5,000 ded.

Bank, Charleroi, Pa. \$250,000. Architect Hopkins & Dents, 415 Lexington Ave., New York City. Owner, Bank of Charleroi & Trust Co., Charleroi, Pa. Brick, limestone, steel, cut stone, 1 story and mezz., and basement, 120x64 feet, composition roof, cement and cork floors; plumbing, shoeing, water and dampproofing, ornamental iron work, steam heat; electric light, tile and marble work; hollow metal sash; acoustical treatment; granite ornamental plaster. Contract awarded T. M. Gibbs Construction Co., Corn Exchange Bldg., Phila.

Freight Car Repair Shop, Reading, Pa. Architect, S. T. Wagner, 12th and Market Sts., Phila. Owner, Phila. & Reading R. R., 12th and Market Sts., Phila. Brick, concrete, 1-story, 335x880 feet (struc. steel, electric mechanical equipt. res.) asbestos built up roof, cement floors, rolled steel sash, fire doors, bond, rolled steel shutters. Contract awarded Hughes Foulkrod Co., Commonwealth Bldg., Phila.

Church, Roslyn, Pa. Architect, Druckmiller Williams, 1537 Chestnut St., Phila. Owner, Roslyn Presbyterian Church, Roslyn, Pa. Stone, cut stone, concrete, 1-story, and basement and balcony, 103x54 feet, steam heat,

electric light, metal lath, tile and marble work, gray slate or black, roof, plumbing, dampproofing, bond, floor, hardener, tile work, accordion doors, wrought iron pipe. Contract awarded Roy Randall, Jenkintown, Pa.

Telephone Exchange Building, McKeesport, Pa. Architect, J. T. Windrim, Commonwealth Bldg., Phila. Owner, Bell Telephone Co., T. H. Geist, Pittsburgh, Pa. Brick, steel, 3 stories, 50x117 feet, slag roof, cement floors, steam heat, electric light, metal lath, ornamental iron work. Contract awarded W. F. Timble & Son, Pittsburgh, Pa.

Residence, Bryn Mawr, Pa. Architect, John L. Coneys, Drexel Bldg., Phila. Owner, J. Jacobs, care Architect. Cinder block, plaster, 2½ stories, 160x50 feet, (plumbing, heating res.), tile roof, hardwood floors, electric light, tile and marble work. Contract awarded C. C. Pace, Cynwyd, Pa.

Road Work, Pennsylvania. Owners, Penna. Dept. of Highways, Harrisburg, Pa.:

Mifflin County, R-28, Lewistown Borough, 3502 feet; one course reinforced concrete. \$60,046.22. Contract awarded to Colgan & Kelly, State College, Pa.

Clinton County, R-105, Renova Borough, 4316 feet; one course reinforced concrete. \$113,840.35. Contract awarded to Metzger, Kirkpatrick & Wallis, Emporium, Pa.

Erie County, A-3346, Girard Township, 188 feet. Either bit. surface course on concrete foundation or one course reinforced concrete.

Cameron County, R-103, Sec. 3, Lumber & Gibson Townships, 51,825 feet; grading and drainage, \$193,960.85. Contract awarded to Miller Construction Co., Punxsatawney, Pa.

New Jersey Construction News

Church, (Alts.) 5th and Cooper Sts., Camden, N. J. \$30,000. Architect, A. B. Gill, 328 Market St., Camden, N. J. Owners, Centenary Tabernacle M. E. Church, on premises. Recreation room, kitchen equipment, interior alterations. Plans in progress.

Bungalow (Alts. and Add.) Pine Valley, N. J. Architect, Charles Barton Keen, 338 S. Smedley St., Phila. Owner Samuel Howe, care architect. Hollow tile, stucco, 1½ stys., general alterations. Plans in progress.

Club House, Pine Valley, N. J. Architect, Charles Barton Keen, 338 S. Smedley St., Phila. Owner, Pine Valley Golf Club, Pine Valley, N. J. Hollow tile, 2 stys., shingle roof, electric light. Architect will be ready for bids in about three weeks.

Stores (5), Atlantic City, N. J. Architect, Bertram Ireland, Guarantee Trust Bldg., Atlantic City, N. J. Owner, L. Prince, Atlantic City. Brick, 1 story, 50x65 feet, slag roof, pine floors, hot water heat, electric light, plate glass, copper work. Owner taking bids.

Show Room, Ventnor Park, Ventnor, N. J. Architect, V. B. Smith, Guarantee Trust Bldg., Atlantic City. Owner, Alexander Latta, Albany & Crossan Aves., Atlantic City. Brick, steel, 1 story, 115x66 feet, composition roof, cement floors, steam heat, plate glass, rolled steel lath. Owner sub-letting.

Stores and Apartments (4), Michigan and Baltic Aves., Atlantic City. Architect, D. W. B. Haining, Guarantee Trust Bldg., Atlantic City, N. J. Owner, R. Weloff, Guarantee Trust Bldg., Atlantic City, N. J. Brick 2 stories, 60x36 feet, slag roof, hardwood and tile floors, electric light, hot water heat. Owner will take bids.

Residence, Edgewater Ave., Pleasantville, N. J. Architect, D. W. B. Haining, Guarantee Trust Bldg., Atlantic City, N. J. Owner Mrs. T. Sullivan, 3624 Winchester Ave., Atlantic City. Brick (2 stories, tile or slate, roof, hardwood floors, hot water heat, electric light, tile work. Owner will take bids.

Cottage, Pleasantville, N. J. Architect, Bertram Ireland, Guarantee Trust Bldg., Atlantic City. Owners, A. & J. F. Ryan, Pleasantville, N. J. Frame, 2 stories, 24x30 feet, tile roof, hardwood floors, hot water heat, electric light, tile work. Owner will build.

School, Englewood, N. J. (Bergen Co.) Architects, Ernest Sibley & L. C. Lecht, Palisade, N. J. Owner, Board of Education, Englewood, N. J. Brick, steel, 2 stories and basement, 160x152 feet, composition, copper, black slate roof, maple and cement floors, plumbing and dampproofing, brass pipe, ornamental iron work, iron stairs, floor hardener, bond, kalamein in doors, rolled steel skylights, tile, marble and terrazzo work, metal lath, electric light, steam heat, artificial stone, metal toilet partition, linoleum floors, metal lumber, wrought iron pipe, Duraflex floors. Owner taking bids, due June 16th, at 8 P. M.

Grade Schools, (2), Pitman, N. J. Architect, Ritter & Shay, Packard Bldg., Phila. Owner, Board of Education, Pitman, N. J. Brick, cut stone, steel, 2 stories and basement. 110x64 feet, each, composition, cement and maple floors, hollow tile, plumbing, roof vents, dampproofing, ornamental iron work, bond, kalamein doors, terrazzo work, metal lath, electric light, steam heat, wrought iron pipe. Architect taking bids due June 9th.

Infirmary Building, Children's Quarters & Employees' Quarters. (Add.) Glen Garden, N. J. Architects, Dept. of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, Tuberculosis Home, Dr. Engles, Glen Garden, N. J. Architects taking bids due June 15th.

Show Room and Service Station, Atlantic City, N. J. Architect, C. H. Adams, Chelsea Bank Bldg., Atlantic City, N. J. Owners, W. J. Haupt Corp., 225 N. New Hampshire Ave., Atlantic City, N. J. Brick, steel, 1 sty., 167x190 feet, slag roof, concrete floors, rolled steel sash, steam heat, electric light. Architect taking bids due as soon as possible.

Residence, N. 27th St., Camden, N. J. Architect, Harold A. Allen, Camden N. J. Owner, Dr. Lee J. Hammett, 733 N. 27th St., Camden, N. J. Concrete block, stucco, 2 stories, 42x32 feet, slag roof, hot water heat, electric light, tile work, hardwood floors, excavating, cut stone; architect taking bids due June 9th.

Stores, (3), and Apartments (Alts.) Perry St., Trenton, N. J. Architect, Walter Hankin, 224 E. Hanover St., Trenton, N. J. Owners, Frank Robin, Perry St., Trenton, N. J. Brick, 3 stories, 40x70 ft., slag roof, pine floors, roof ventilators, baking equipment, plate glass, tile work, electric light, hot water heat. Architect taking bids due June 10th.

County Almshouse, (Alts.), New Lisbon, N. J. Architect E. A. Wightman, Bankers Trust Bldg., Phila. Owner, County Board of Freeholders, New Lisbon, N. J. Plans completed. Owner ready for bids June 5th.

Residences (2), 35 and 37 N. 30th St., Camden, N. J. \$15,000 total. Architect, private plans. Owner, George Bachman, 19 N. 30th St., Camden, N. J. Brick, 2½ stories, 15x38 feet, asphalt shingle roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences, (2), 1140-42 Bergen Ave., Camden, N. J. \$10,000 total. Architect, private plans. Owner, Joseph Munger, 1180 Bergen Ave., Camden, N. J. Frame, 2 stories, 22x32 feet, slate surface roof, pine floors, hot water heat, electric light. Owner will build.

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New Jersey Contracts Awarded

Church, Ventnor, N. J. Architect, Robert J. Reilly, 50 W. 41st St., New York City. Owner, St. James by the Sea, Rev. Peter J. Petri, Vineland, N. J. Brick, cut stone, steel, stone, 1 sty., and basement and balcony, 115 x 63 feet, slate and slag roof, cement, maple floors, steam heat, electric light, metal lath, tile and marble work, plumbing, waterproofing, ornamental iron work, orna. plaster, bluestone, cast iron pipe. Contract awarded John C. Shain, 1713 Sansom St., Phila.

School, (Add.) Stevens, N. J. Architect, W. A. Klemann, First National Bank Bldg., Trenton, N. J. Owners, Burlington Township School Board, H. E. Russell, Burlington. Brick, 1 story, add., 28x82 feet, slag roof, work, separate bids). Contract awarded to pine floors, (heating, plumbing and electric J. E. Kolster, Beverly, N. J., \$15,425.; plumbing, awarded to J. E. Gandy, Burlington, N. J., \$828; heating awarded to Burlington Plumbing and Heating Co., Burlington, N. J., \$4,892; electric awarded to Chas. D. Geller, Burlington, N. J., \$1,249.

City Hall. (Alts. and Add.) Somers Point, N. J. Architect, Bertram Ireland, Guar. Tr. Bldg., Atlantic City. Owners, City of Somers Point, care City Clerk, Somers Point, N. J. Brick, stucco, 2 stories, 39x29 feet, clay tile roof, hardwood floors, steam heat, electric light, tile and marble work. Contract awarded to J. Yates, Pleasantville, N. J.

Apartment and Store Atlantic City, N. J. Architect, C. H. Adams, Chelsea Bank Bldg., Atlantic City, N. J. Owner, John Sobczyk, care Architect. Brick, steel, 3 stories, 20x97 feet, slag roof, hardwood and rubber floors, hot water heat, electric light, metal lath, tile and marble work. Contract awarded to Ralph Thompson, Atlantic City, N. J.

Residences (10), 2600-28 Baird Blvd., Camden, N. J. \$40,000. Architect, Private plans. Owners, Parkview Realty Co., Camden, N. J. Brick, 2 stories, 16x55 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Emanuel Kun, 26th and Federal Sts., Camden, N. J.

Residences (2), 2808-10 N. Congress Road, Camden, N. J. \$10,000 total. Architect—private plans. Owners, Orchard and Bell, Camden, N. J. Block, 2 stories, 16x40 feet, slag roof, hardwood and pine floors, hot air heat, electric light. Contract awarded to Eugene Bruner, 2760 N. Congress Rd., Camden, N. J.

Residences (2), Ingham Ave., Trenton, N. J., \$15,000. Architect—private plans. Owner, Ernest Trenking, Ingham Ave., Trenton, N. J. Brick, 2 stories, 32x52 feet, slate roof, hot water heat, electric light. Contract awarded to Wm. A. Pazson, Yardville, N. J.

Residences, (2), 1020 Melrose Ave., Trenton, N. J., \$8,000. Architect—private plans. Owner, T. Holford, 406 Logan St., Trenton, N. J. Frame, 2½ stories, 28x38 feet, pine floors, electric lighting. Contract awarded to Holford and Boyd, 104 Stacey St., Trenton, N. J.

Residences, (2), 2792-94 N. Congress Road, Camden, N. J. \$8,000 total. Architect—private plans. Owner, Louis P. Bruner, Camden, N. J. Block, 2 stories, 16x40 feet, slate roof, hot water heat, electric light pine floors. Contract awarded to Eugene Bruner, 2760 N. Congress Road, Camden.

Residence, 892 Lois Ave., Camden, N. J., \$6,000. Architect, private plans. Owner, Edward Bittner, 884 Lois Ave., Camden, N. J. Frame, 2 stories, 22x36 feet, slate surface roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Jos. Munger, 1180 Bergen Ave., Camden, N. J.

Residence, Woodside and Reading Sts., Trenton, N. J. \$7,000. Owner, F. E. Preston, Trenton, N. J. Frame, 2 stories, 24x38 feet, slate roof, pine floors. Contract awarded to W. C. Aker, 217 Hollywood St., Trenton, N. J.

Miscellaneous Construction News

Bank Building, Louisville, Ky. Architect, C. A. Ziegler, 1012 Walnut St. Philadelphia. Owner First National Bank, Louisville, Ky. Fireproof const., 4 stories, 56x150 feet; plans in progress.

Residence, Wilmington, Del. Architect, E. C. May, DuPont Bldg., Wilmington, Del. Owner, name withheld. Brick, stucco, 2½ stories, 40x30 feet. Architect taking bids due June 5th.

Miscellaneous Contracts Awarded

Plant (Add.) Roanoke, Va. Architect, the Ballinger Co., 12th and Chestnut Sts., Phila. Owner, Viscose Corp. of Va., Roanoke, Va. Brick reinf. concrete, steel, 2 stories, 169x166 feet, Barrett Specifications roof, asphalt, mastic floors, safety treads, water and damp-proofing, rolled steel sash, sawtooth skylights, fire doors, ornamental iron work, rolled steel shutters, drainage, caulking, painting and glazing, hardware, wood tanks, millwork, slate work, fire doors, hardware, plastering, wire screens, elevator gates, steel partitions, insulation sheet metal work, steel pipe. Contract awarded J. F. Pettijohn, Lynchburg, Va.

Proposal

Sealed and separate bids or proposals will be received by the Board of School Directors of the School District of the City of York, Pennsylvania, for the erection and completion of a Senior High School Building to be erected on the plot of ground lying at the northwest corner of West College Avenue and South Beaver Street, York, Pa. The proposals must be submitted separately for the—General construction of the building, Plumbing and Drainage, Electrical Work, and Heating and Ventilating—all in accordance with plans, drawings and specifications prepared by John B. Hamme, Registered Architect, York, Pa. A certified check equal to 5% or an acceptable Surety Company bond equal to 10% of the aggregate amount of the bid must accompany each proposal to guarantee acceptance of contract if awarded.

An acceptable Surety Company bond equal to the full amount of the contract will be required of the successful bidders.

Plans and specifications may be secured from David N. Crider, Secretary of the Board of Directors, in the Central School Building, corner of West King Street and Cherry Alley, York, Pa., upon application accompanied by a deposit of cash or certified check of \$100 for each set of the General Plans and Specifications, \$85 of which will be returned for each set when plans and specifications are returned to said office accompanied with bid. A deposit or certified check for \$50 must accompany applications for each set of the Plumbing and Drainage, Electrical Work, or Heating and Ventilating plans and specifications, \$35 of which will be returned for each set when plans and specifications are returned accompanied with a bid.

In case no bid is received the entire amount of the deposit or check will be forfeited.

On or about June 8th, 1925, plans and specifications will be delivered to persons making application in accordance with the above requirements. Plans and specifications will be on view in the office of John B. Hamme, Registered Architect, Citizens' Savings and Trust Building; in the office of M. O. Lewis, Superintendent of Building and Grounds, in the Central School Building, York, Pa., and at the Builders' Exchanges in Philadelphia, Pa., and Baltimore, Md.

The right is reserved to reject any and all bids.

All bids must be signed, sealed, properly marked with name of contract bid upon, and delivered to David N. Crider, Secretary, Central School Building, York, Pa., before noon of Monday, June 29, 1925.

EDWARD W. NEUMAN,

Chairman of the Committee on Buildings, Grounds and Fuel, of the Board of School Directors of the School District of the City of York, Pa.

The impractical dreamers are not the architects, but the clients themselves, as a rule.

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TENDENCIES IN BUILDING DESIGN

"Reprinted by special permission from FACTORY, the Magazine of Management." Time was when "new buildings for old" proved to be merely an enticing phrase to tempt prosperous manufacturers. But great strides in lowering production costs have resulted from the planning by works engineers and consultants in building design. Some of the outstanding current developments are reviewed here.

(Continued from a previous Issue)

The manufacturer of today shows a tendency toward the betterment of the physical and mental conditions of his employees. The modern trend, therefore, is toward the establishment of libraries, hospitals, lunch-rooms, rest-rooms, locker-rooms, gymnasiums, and toward the organization of athletic, civic and art groups. And there are, too, insurance or mutual benefit societies, sponsored or furthered by industrial establishments. The day of poor sanitary equipment in factories is passing. State and city laws and common sense compel the installation of showers and other sanitary appliances.

Where Maintenance Comes In

The type of building or the selection of materials for the construction of the new plant should be based in part on the cost of maintenance or upkeep. It is obvious that the layout and type of building to be used depends on the nature of the occupancy of the structure. A decade ago it was customary to consult a steel fabricator when steel construction was under consideration. Nowadays the trend is to engage an engineer specializing in plant design, who is able to determine whether concrete, steel, or mill construction is the suitable type of building.

Steel or timber once formed the only materials for factory building construction, aside from stone or brick for foundation and walls. Today there are a dozen combinations of these two primary materials, with the addition of concrete. The right material or combination of materials may save 20% of the cost of a building of another equally good material.

Many plants are duplicating old types of buildings when a more modern type would cost much less.

Concrete for multiple-story buildings shows economy, theoretically, over mill construction only for heavy floor loads, but the cost of timber at the job, versus the cost of cement, sand, and stone, and of the kinds of labor used are added considerations.

Floors used to be of wood or dirt. Today the necessity for trucking heavy loads through buildings, has developed many kinds of floors. Wood planks and wood

blocks of sundry shapes and treatments—concrete, cork, ceramic, mastic, bithulitic—all have merit if used under the proper conditions.

In a large newspaper plant, which the writer recently designed, 11 different kinds of floor were used to serve various utilitarian and artistic purposes. Twenty varieties have been used by the writer within a year to fit the specific needs of various occupancies.

Roofs used to be of wood or slate only. We now figure on heat conservation, radiation, or condensation as well as on water tightness.

The steel sash has revolutionized the factory building by giving light areas as cheaply as one can build good wooden or brick walls. This has led to abuses, and one occasionally sees windows from floor to roof often covered partially by radiators, with consequent heat waste.

The mechanical facilities of the modern factory trend toward health and comfort. Buildings are well lighted and heated, but the economical installation is not the one selected by chance from a manufacturer's catalog.

The sensible man buys his building as he would a suit of clothes, to fit his needs, his pocketbook, and to give service. He shuns the cheap and shoddy, and the ultra expensive. There can be secured a becoming building which wears well—and it "fits."

Eliminating Useless Motion and Unnecessary Labor

There is a definite tendency to erect one-story buildings, as before mentioned. The design, of course, must conform to the character of the occupancy. The chief objective is to develop not only the building, but the entire plant, to prevent or eliminate useless motion and unnecessary labor. The main idea of this conception is to co-ordinate the various departments from the introduction of the raw material into the plant to the last stage of manufacture. This phase of industrial engineering, known as the "layout," embraces the delivery of raw materials to the plant, storage of raw materials, straight-line flow of manufacturing operations, storage of goods in process, storage of finished product, expansion of each department for future needs, handling of materials through and between departments, machine layouts, special equipment and facilities for welfare of employees. There are no hard-and-fast rules as to layout. Each plant is peculiar unto itself. The modern trend of manufacture is to increase the number or variety of products. This often creates an unbalanced expansion. Departments overlap or conflict, causing confusion. The tendency of today is to consult the

engineer whose fresh, unprejudiced viewpoint should enable him to straighten out the tangle.

When the growth of a plant has been rapid or without preconception, the engineer nowadays is called to devise a plan of physical rehabilitation and provision for growth. This is one of the signs of the times in manufacture. It is our experience, as has been said, that it is better in certain situations to remodel a plant than to erect a new one. I have in mind the physical rehabilitation of a foundry and shop which, by reason of such reconstruction and re-arrangement, resulting in the co-ordination of its various processes, saves \$250,000 a year including a pay-roll cut of \$100,000 a year. Its steel foundry production has been increased from 500 to 1,200 tons a month at a saving of \$12 a ton. Before the rehabilitation, the concern had to go into the open market for castings. Now it makes them. The cost of this rehabilitation was \$250,000.

Nine of ten plants more than 10 years old are susceptible to such physical improvement. Such investment ordinarily pays 30% to 100%, due to the elimination of unnecessary labor and to the increase in output without large additional capital investment.

Plants of large size tend toward the smaller cities. The statistics of American cities prove this. There cheap land for sites and homes is found. The spirit of domesticity is deeper and more permanent than in the large city; temptations are fewer and less persistent. The worker may walk home to lunch and walk back to the plant. He makes more friends, and those are worthy. He has more time and inclination for a more religious life. He has more time in which to become a better citizen. Labor unions do not press him. His children are less likely to be led astray. The cost of living is less. The labor turnover is less. Freight congestion is less. Too small a city is, however, equally as objectionable as too large a one.

Until recently, little time, effort or money was expended on the beautifying of a plant. The tendency of the times is to combine beauty with utility. It costs no more to build an attractive building than an ugly structure. The morale of a plant is bettered by a harmonious environment. An attractive plant is an advertisement.

When the manufacturer learns that the expenditure and turnover of every dollar in relation to the physical location, layout, design, and equipment of his plant must be intelligently and carefully thought out, he is keeping pace with progress and with his progressive competitors.

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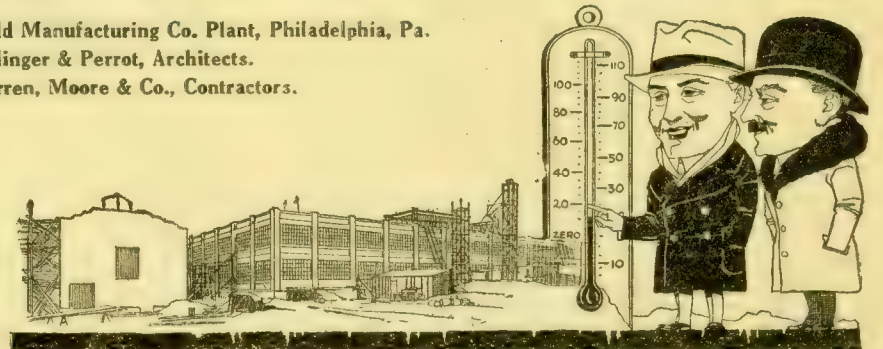
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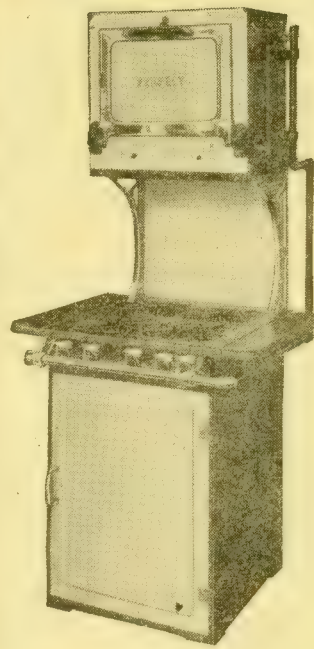
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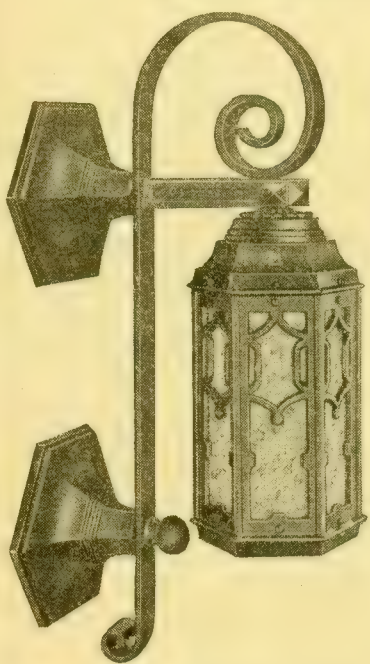
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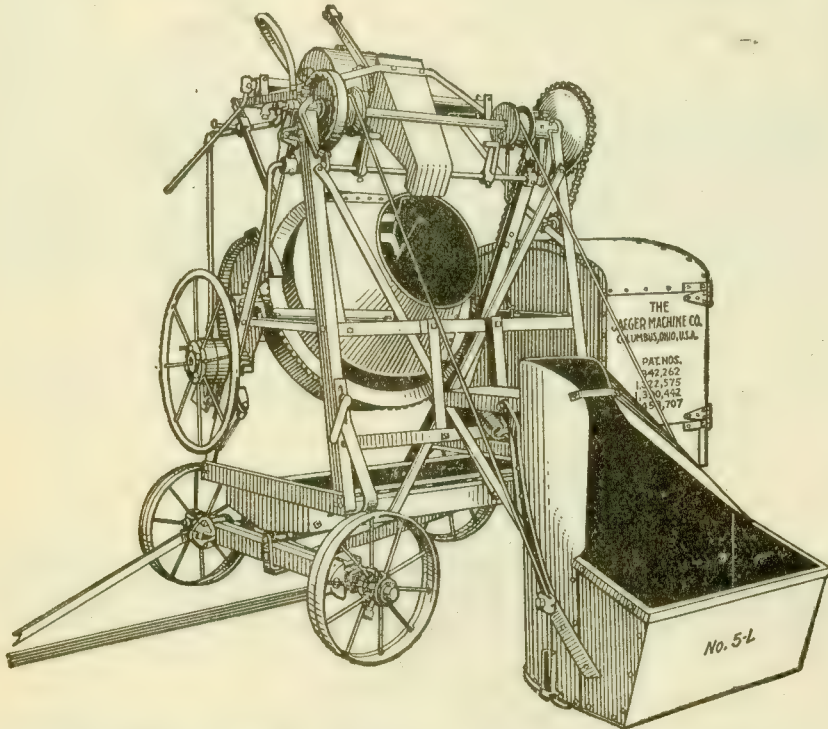
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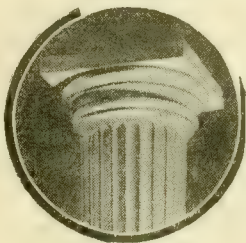
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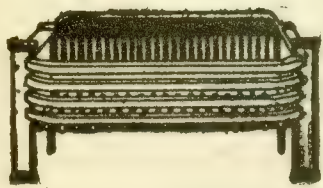
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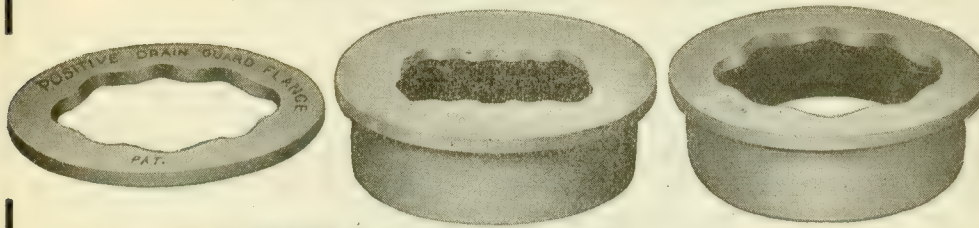
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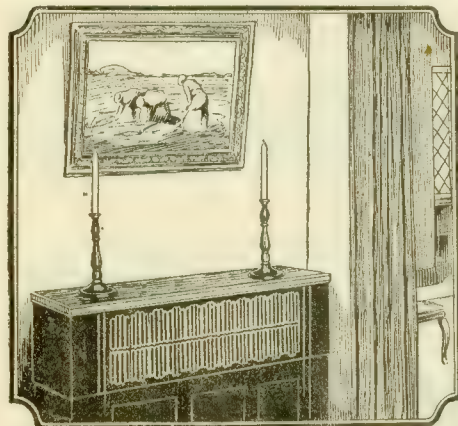
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VOLUME XL
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CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS;

CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Workshop, Northwest Corner Schuylkill avenue and Passyunk avenue, \$4,000. Architect, private plans. Owners, U. G. I. Co., 1401 Arch street, Philadelphia. Steel, 1 story, 20x40 feet. Owners will build.

Masonry Wall Iron Picket Fence, Philadelphia National Cemetery, Haines and Limekiln pike, Philadelphia. Owners, Commanding Office, Twenty-first and Oregon avenue, Quartermaster's Depot, Philadelphia. Owners ready for bids due June 15th.

Stadium (add.), Thirty-third and Spruce streets, Philadelphia. Architects, Day & Klauder, Franklin Bank Building, Philadelphia. Owners, University of Pennsylvania, Thirty-fourth and Spruce streets, P. M. Wilson, Chairman of Grounds and Buildings, Thirty-fourth and Spruce streets, Philadelphia. Reinforced concrete steel, cut cast stone, hollow tile, plastering, plumbing, drainage, hardware, metal lath, hollow metal sash, bond, ornamental iron work, iron gates and grills, metal window guards, painting, wrought iron pipe. Owners taking bids due June 12th.

Building (alts. and add.), F and Kensington avenue, Philadelphia. Architect, Peter F. Getz, Victory Building, Philadelphia. Owner, J. G. Enright, 3020 Kensington avenue, Philadelphia. Brick work, carpentry and mill work, concrete work, composition floors, electric work, granite, hardware, leaded glass, metal bulks, metal lath, plastering, metal sash, painting and glazing, plumbing, tile and marble work, brass ventilators, steam heat, slag roof, galvanized iron skylights. Architect taking bids due June 11th, 4 P. M.

Office Building, Penrose and Girard Points, Philadelphia. Architect, E. B. Lee, 1210 Chamber of Commerce Building, Pittsburgh, Pa. Owners, Gulf Refining Co., Widener Building, Philadelphia. Brick, hollow tile, con-

crete, 1 story, 137x38 feet, composition roof, oak and pine floors, hollow tile, plumbing, roof ventilators, painting and glazing, steam heat, electric light, metal lath, terrazzo work, ornamental iron work, wood piles, precast concrete stone, metal toilet partitions, Byers or Reading wrought iron pipe. Architect taking revised bids due June 11th.

Seminary Building, 1812-14 Rittenhouse Square, Philadelphia. Owners, Baptist Seminary, Rev. C. P. Ball president, 1701 Chestnut street, Philadelphia. General alterations. Plans in progress.

Church, Sunday School and Auditorium, Ridge and Martin street, Philadelphia. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Roxborough Baptist Church, J. Foster Wilcox, on premises. Revised plans in progress.

Laboratory for Anatomy and Bio-Chemistry, Thirty-fourth and Spruce streets, Philadelphia. Architects, Stewardson & Page, 315 South Fifteenth street, Philadelphia. Owners, University of Pennsylvania, Thirty-fourth and Spruce streets, Philadelphia. Stone, brick, steel, 4 stories. Plans in progress.

Building (alts.), 1214-16 Locust street, Philadelphia. Architect, Ellery K. Taylor, 1416 Chestnut street, Philadelphia. Owners, Fox & McKenzie, care of architect. Changing interior partitions. Plans in progress.

Residences (15), Ditman and Decatur streets, Philadelphia. Architect, I. Demchick, 1705 Chestnut street, Philadelphia. Owner, I. J. Miller, 4764 North Tenth street, Philadelphia. Brick, 2 stories, 15x35 feet, hot water heat, electric light, metal lath, tile work, slag and tin roof, hardwood and pine floors, cement work, garages in basement. Owner taking sub-bids.

Apartment House, Valley Road, Oak Lane,

Philadelphia. Architect, I. Demchick, 1705 Chestnut street, Philadelphia. Owners, Oak Lane Manor Apartment Co., care of architect. Brick, hollow tile, concrete steel, terra cotta, 3 stories, 212x138 feet, slag roof, hardwood and bonded floors, electric elevators, incinerator, laundry and kitchen equipment, vapor heat, electric light, tile and marble floors. Plans completed, ready for sub-bids in a few days.

Manufacturing Building, Germantown and Sophia street, Philadelphia. Architect, H. B. Weldon, 1817 Callowhill street, Philadelphia. Owners, Queen City Printing Ink, O. C. Davis, Eleventh and Hamilton streets. Brick, slow burning, 1 story, 60x160 feet, slag roof, pine floors, steam heat, electric light. Plans in progress. Will be ready for general bids in about 2 weeks.

Apartment House, Lincoln Drive and Horter street, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, J. Gorehov, 4116 Girard avenue, Philadelphia. Brick, 4 stories and basement, 139x219 feet, slag roof, hardwood floors, travertine walls, electric elevators, oil-burning equipment, electric refrigerators, sound deadening, fire tower, kalamein doors, tile, marble work, vapor heat, electric light. Plans completed. Owner ready for sub-bids.

Residences (176), Tasker, Dickinson, Thirty-first and Thirty-second streets, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, Harry Nilman, 59 State Road, Upper Darby. Brick, 2 stories, 15 feet 6 inches x 37 feet, various sizes, slag and tin roof, pine and hardwood floors, hot water heat, electric light. Owner ready for sub-bids.

Church Building, Fifty-ninth and Spruce streets, Philadelphia. Architect, J. Edgar Willing, 111 East Fifty-sixth street, New York City. Owners, Tabernacle Lutheran

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Church, Rev. Wm. J. Miller, Jr., 6123 Christian street, Philadelphia. Stone, 1 story and basement, slate roof. Plans about completed. Will take bids in a few weeks.

Store and Apartment (alts. and add.), 2400 Germantown avenue, Philadelphia. Architects, Rehfuß & North, 1709 Sansom St., Philadelphia. Owner, Chas. J. Stengel, on premises. Brick, 3 stories, 19x65 feet, mill work, plate glass, gas and steam heat, electric light, slag roof, composition floors, tile work, cement work. Owner taking bids.

Bank (alts. and add.), Southwest Corner Fifty-second and Market streets, Philadelphia. Architect, W. Leshner Blithe, 608 Chestnut street, Philadelphia. Owners, Market Street Title & Trust Co., on premises. Reinforced concrete, brick, stone, limestone, 2 stories, 24x214 feet. Plans about completed. Ready for bids in one week.

Buildings Nos. 3 and 11, Lehigh and Memphis streets, Philadelphia. Architect, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Hardwick & Magee, on premises. Architects taking bids on auto-sprinkler system due June 15th.

Residences (32), Brush road, Germantown, Philadelphia. Architect, Karl F. Otto, 1828 Arch street, Philadelphia. Owners, Madway & Cohen, 4218 Lancaster avenue, Philadelphia. Brick, 2 stories, 16x41 feet, hot water heat, electric light, slag roof, hardwood floors, tile and marble work. Owners will build. Work about to start.

Temple, Broad and Race streets, Philadelphia. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owners, Ancient Accepted Scottish Rite of Freemasonry, on premises. Reinforced concrete, brick, cut stone, steel, 5 stories and basement, 180x100 feet, slag roof, cement and maple floors, hollow tile, metal ceilings, waterproofing, architectural terra cotta, ornamental iron work, iron stairs, floor hardener, tin clad and kalamain doors, rolled steel sash and skylights, hollow metal sash, tile, marble and terrazzo work, metal lath, imitation stone, ornamental bronze work, scagliola (plumbing, sprinklers, fire hose, electric, telephone wiring, heating and ventilating, stage equipment, elevators, decorations, lighting fixtures, carpet and floor coverings, seats and furniture, window shades, screens, sewing room equipment, drinking water system all reserved). Architect taking bids due June 24th.

Felton Theatre (alts. and add.), Fifth and Rising Sun avenue, Philadelphia. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owners, Felton Theatre, on premises. Limestone, bond, demolition, stone work, brick work, cut stone, concrete work, steel, carpentry and mill work, plastering, hardware, painting and glazing, tile and marble work, galvanized iron skylights, metal doors, ornamental iron work, structural

terra cotta, architectural terra cotta, gypsum composition and slag roof, ornamental plaster. Architects taking bids due June 11th.

Dye House (alts. and add.), Pensdale and Mitchell streets, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Kaufman Plush Mills, Pensdale and Mitchell streets, Philadelphia. Brick, steel, 1 story and basement, 110x42 feet, bond, concrete, cement floors, floor hardener, slag roof, metal skylights, steel sash, steel and iron work, carpentry and mill work, hardware, painting and glazing, plumbing, Byers or Reading wrought iron pipe. Architects taking bids due June 11th.

Residence, Emlen, North of Allen Lane, Philadelphia. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, J. E. Gowen, care of Dr. D. W. Woodward, Mt. Airy, Philadelphia. Stone, 2½ stories, slate roof, hardwood floors, hot water heat, electric light. Architects taking bids due June 16th.

Service Quarters (alts.), Seventh and Church Lane, Philadelphia. Architect, Ralph Goldberg, 10 South Eighteenth street, Philadelphia. Owners, Jewish Foster Home & Orphan Asylum, Chew and Church Lane, Philadelphia. Stone, 2 stories. Architect taking bids.

Residence, 4810 York road, Philadelphia. Architect, Stanley B. Vanderslice, Tenth and Godfrey avenue, Philadelphia. Owner, Mrs. Allen Smith, on premises. Frame, 2½ stories, 31x40 feet, hot water heat, electric light, oak and pine floors, shingle roof. Architect taking bids due as soon as possible.

Building No. 133 (alts.), Philadelphia Navy Yard, Philadelphia. Architects Bureau of Commandant, Philadelphia Navy Yard, Bureau of Yards, Docks and Ferries. Owners, United States Government, Washington, D. C. Sliding doors, galvanized sheet metal roofing and siding, reinforced concrete, structural steel, steel sash, roof ventilators. Owners taking bids due June 17th.

Remodeling Building, Specification No. 5123, Philadelphia. Owners, Bureau of Yards and Docks, Navy Department, Washington, D. C. Owners taking bids due June 17th, 1925, 11 A. M. Work includes reinforced concrete, structural steel, steel sash, galvanized sheet metal roofing and siding, sliding doors, roof ventilators and painting. Specifications and plans may be obtained from Commandant, Navy Yard, Philadelphia. Deposit, \$10.

Residence, Swarthmore, Pa. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, Edward Biddle, Swarthmore, Pa. Hollow tile, stucco, 2½ stories, hot water heat, electric light, tile work, hardwood floors. Owner taking sub-bids.

Apartment House (alts. and add.), 3519 Hamilton street, Philadelphia. Architect, Frank R. Albright, Jr., 214 East Johnson street, Philadelphia. Owner, Alex. M. DeHaven, on premises. Architect taking bids due 10 days after plans are issued.

Residences (19), (16) Edgemore and Lebanon avenue, (2) Conshohocken and Sheffield road, and (1) Midvale avenue and Henny street, \$138,000. Architect, private plans. Owner, John H. McClatchey, 848 Land Title Building, Philadelphia. (2) Stone, 3 stories, 21x35 feet, (2) brick, 3 stories, 17x32 feet, (16), brick, 3 stories, 16x25 feet, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

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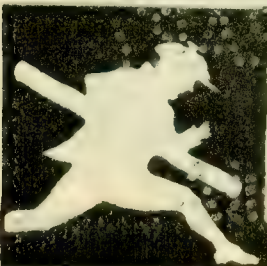
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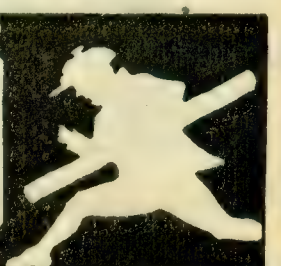
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Open Shed, South side Comly street, East of Oxford road, \$8,000. Architect, private plans. Owners, John Hagan & Co., Delaware avenue and Comly street, Philadelphia. Steel, 1 story, 53x316 feet, corrugated iron roof. Owners will build.

Residences (2), South side Hellerman street, East of Oakley street, \$6,000 each. Architect, private plans. Owner, Fred C. Foy, 6411 Rising Sun avenue, Philadelphia. Brick and frame, 2 stories, 16x43 feet, third story, 16x9 feet, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (16), West side Leithgow street, South of Champlost avenue, \$5,000 each. Architect, private plans. Owner, R. M. Webb, 5905 North Fifth street, Philadelphia. Brick, 2 stories, 16x32 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residence, South side Loretta street, East of Loney street, Philadelphia, \$5,000. Architect, private plans. Owner, George Rosenberg, 911 Oakmont street, Philadelphia. Frame, 2 stories, 24x40 feet, shingle roof, pine floors, electric light. Owner will build.

Residence, West side Torresdale avenue, North of Linden avenue, \$5,000. Architect, private plans. Owner, James Kennedy, 2308 Sepviva street, Philadelphia. Concrete block, 2 stories, 28x42 feet, pine floors, hot water heat, electric light. Owner will build.

Residences (5), West side Tulip street, South of St. Vincent street, \$20,200. Architect, private plans. Owner, H. Rubin, 3620 Longshore street, Philadelphia. Brick, 2 stories, 16x38 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residences (2), 425-27 East Godfrey avenue, Philadelphia, \$10,000. Architect, private plans. Owners, Shoemaker Brothers, 5726 North Mascher street, Philadelphia. Brick, 2 and 3 stories, 16x24 feet, 16x14 feet, 16x13 feet, hot water heat, hardwood floors, electric light. Owner will build.

Residences (18), Tenth and Wagner avenue, Philadelphia, \$102,300. Architect, private plans. Owners, Gussman & Berman, 5403 Montgomery avenue, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residences (19), East side Hope street, North of Chew street, \$96,000. Architect, private plans. Owner, Walter E. Witte, 5106 North Carlisle street, Philadelphia. Brick, 2 stories, 15 feet 6 inches x 35 feet, slag roof, hot water heat, electric light, pine floors. Owner will build.

Residences (11), Gainor road, West of Bryn Mawr avenue, \$90,000. Architect, private plans. Owner, A. Koch, 4284 Parkside avenue,

Philadelphia. Brick, 2 stories, 16x50 feet, 22x38 feet, hot water heat, slag roof, electric light, hardwood floors. Owner will build.

Residences (10), South side Devereaux street, West of Shelmire, \$4,500 each. Architect, private plans. Owners, Brunhager & Bugger, 5452 North Fifth street, Philadelphia. Brick, 2 stories, 16x34 feet, 13x9 feet, slag roof, pine floors, hot water heat, electric light. Owners will build.

Garages (2), 3027-29 North Eleventh and 3031-33 North Eleventh street, \$6,500 total. Architect, private plans. Owner, Edward B. Miller, 3935 North Marshall street, Philadelphia. Brick, 1 story, (1) 17x57 feet, (1) 16x33 feet, 17x40 feet, slag roof, cement floors, electric light. Owner will build.

Garage and Service Station, Southeast Corner Kensington avenue and Pacific street, Philadelphia, \$5,000. Architect, private plans. Owner, Harry L. Murray, 3625 Kensington avenue, Philadelphia. Brick, 2 stories, 35x17 feet, slag roof, cement floors, electric work. Owner will build.

Residences (2), 1225-27 Shelmire street, Philadelphia, \$6,500 each. Architect, private plans. Owners, Betzel Brothers, 7312 Bingham street, Philadelphia. Brick, 2 stories, 16x44 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residences (22), North side Geneva avenue, East of Westford road, \$99,300. Architect, private plans. Owner, F. W. Biddle & Co., 4651 North Fifth street, Philadelphia. Brick, 2 stories, 15x39 feet, slag roof, pine floors, hot water heat, electric light. Owners will build.

Residences (32), North side Queen street, West of Vaux street, \$6,000 each. Architect, private plans. Owner, M. J. McCrudden, 1134 Real Estate Trust Building, Philadelphia. Concrete block, 2 stories, 16x18 feet, 18 feet 10 inches & 15 feet, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (30), North side Milne street, East of Morris, \$4,500 each. Architect, private plans. Owner, M. J. McCrudden, 1134 Real Estate Trust Building, Philadelphia. Brick, 2 stories, 16x30 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residences (4), North side Longshore street, West of Oakley, \$5,250 each. Architect, private plans. Owner, Hyman Korman, Oxford avenue and Levick street, Philadelphia. Brick, 2 stories, 16x25 feet, 20x15 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residences (4), South side Bartram avenue, East of Eighty-fifth street, \$4,800 each. Architect, private plans. Owner, T. Raphael, 5254 Walnut street, Philadelphia. Brick, 2 sto-

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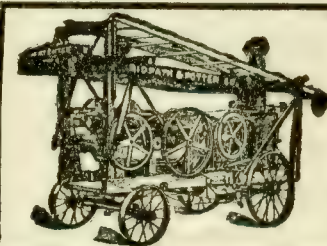
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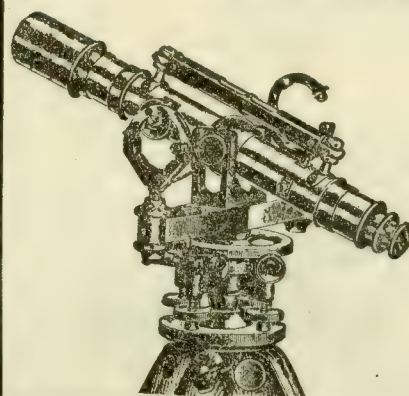
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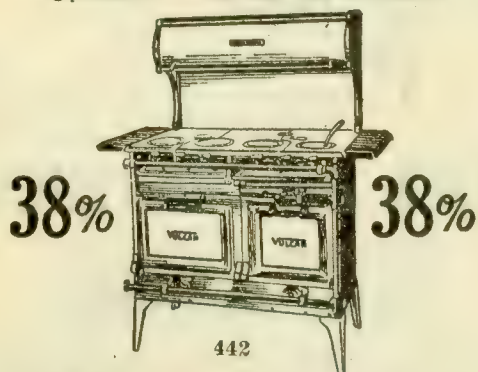
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ries, 15x38 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Store and Residence (add.), 4824 Frankford avenue, Philadelphia, \$2,500. Architect, private plans. Owner, Harry Wilde, on premises. Brick, 1 story add., 115x16 feet. Owner will build.

Miscellaneous Paving and Grading, Philadelphia. Owners, Department of Public Works, Bureau of Highways, 216 City Hall. Low bidders, grading: Rising Sun avenue, Adams to Benner, Municipal Paving & Const. Co., Sixty-eighth and Kingsessing, \$127,786.41. Comly road, improving, Fish-Rutherford, 2313 Walnut street, Philadelphia, \$29,140. Pattison, Seventh to Tenth streets, grading, Vare Const. Co., 1120 Race street, Philadelphia, \$395,810.40. Shelmire, Rising Sun to Dungen road, grading, Thomas L. Flanagan, 531 East Girard avenue, Philadelphia, \$4,593. Twentieth, Thorp's lane to Kimble, McCarrick Brothers, 3138 North Twenty-fourth street, \$9,276.84. Belden, Unruh to Knorr, and others, F. Mark Contracting Co., 2820 North Twenty-first street, Philadelphia, \$52,506.46. Cambridge, Linden to point 925 feet northeast, and others, Thomas Connor, 3621 North Fifth street, Philadelphia, \$14,943.18. Dicks street, Carroll to Seventieth, Thomas P. Lee, 5629 Cherry street, Philadelphia, \$6,646.40. Fanshawe, Tabor, Gelham, Hellerman, Levick streets, Thomas Flanagan, 531 East Girard avenue, Philadelphia, \$9,726. Malvern street, Sixty-fifth to Sixty-seventh, Sixty-sixth street, and others, Thomas P. Lee, 5629 Cherry street, Philadelphia, \$2,401.49. Montgomery, Peach to Fifty-third street, Thomas P. Lee, 5629 Cherry street, Philadelphia, \$8,100.30. Phil-Ellena, Cheltenham avenue, F. Mark Contg. Co., 2820 North Twenty-first street, Philadelphia, \$7,436.96.

Low bidders, paving: Boyer, Blakemore to Hortter, F. Mark Paving & Const. Co., Nicetown lane and C street, Philadelphia, \$39,441.40. Buist, Carroll to Sixty-ninth street, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$8,416.30. Chew, Sydenham to Ogontz, Mack Paving Co., Nicetown Lane and C street, Philadelphia, \$16,300.97. Edgemore, Lebanon to Malvern, Eastern Paving Co., Colonial Trust Building, Philadelphia, \$9,032.70. Fairhill, Blavis to Wingohocking, Barber Asphalt Co., Land Title Building, Philadelphia, \$6,279.46. Glenlock, Harworth to Pratt, Barber Asphalt Co., Land Title Building, Philadelphia, \$3,871. Janney, Sepviva, Tulip and Weikel streets, Barber Asphalt Co., Land Title Building, Philadelphia, \$16,853.03. Montana, Germantown to Ross, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$9,943.82. Seventy-first and Paschall streets, Philadelphia, Barber As-

phalt Co., Land Title Building, Philadelphia, \$3,635.14. York, Pike to Colwyn, United Paving Co., Thirtieth and Locust streets, Philadelphia, \$12,647.

Repaving—Second street, Allegheny to Ontario, C. G. Centrone, Jefferson Building, Philadelphia, \$21,302.10. Paving, Montgomery, George's lane to Park, Eastern Asphalt Co., Colonial Trust Building, Philadelphia, \$4,842.90. Upland, Fifty-fourth to Montgomery, Barber Asphalt Co., Land Title Building, Philadelphia, \$21,933.91. Weatham, Hepburn to Sedgwick, Barber Asphalt Co., Land Title Building, \$6,824.43. Sixty-fifth, Elmwood to P. B. and W. R. R., Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$15,245.55.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Water, Philadelphia. Low bidders. Power equipment for Queen Lane, F. J. Boas, 201 North Broad street, Philadelphia, \$380,975. Contract No. 739, Division A, generator equipment, Acme Machine Co., 316 North Seventeenth street, \$39,252. Division B, condenser equipment, Acme Machine Co., 316 North Seventeenth street, \$14,426.87. Division C, pumping equipment, Dravo-Doyle Co., Schaff Building, Philadelphia, \$81,450. Division D, electrical equipment, Acme Machine Co., 316 North Seventeenth street, Philadelphia, \$74,114.76. Division E, furnish boiler, Acme Machine Co., 316 North Seventeenth street, \$17,246.17. Division F, piping, Acme Machine Co., 316 North Seventeenth street, Philadelphia, \$28,590.49. Division H, installation and transfer equipment, Acme Machine Co., 316 North Seventeenth street, \$20,598.90. Division L, electrical installation, Dravo-Doyle Co., Schaff Building, Philadelphia, \$25,000. Furnish and lay railroad siding, Torresdale, Jacob R. Fox, Jr., 2620 West Fletcher street, Philadelphia, \$5,500. Furnish and deliver parts for low pressure fire hydrants, Acme Machine Co., 316 North Seventeenth street, Philadelphia, \$12,037.50. Furnish and deliver copper, tin and zinc repair shop, Twenty-ninth and Cambria, Huzley Foundry, Inc., 106 Tasker street, Philadelphia, \$2,150.

Miscellaneous Work, Philadelphia (Board of Education). Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Low bidders: Jasper and Clearfield streets, Philadelphia, W. Langhorne Co., 10 South Eighteenth street, Philadelphia, \$383,000; Kober Const. Co., 34 South Seventeenth street, Philadelphia, \$405,000; electric, Walker & Kepler, 531 Chestnut street, \$16,483; plumbing, Bulman Brothers, Fifth and Cumberland streets, \$18,333; heating, W. P. McKenzie Co., 1234 Callowhill street, \$41,482. School, Seventh and Dickinson streets, Philadelphia, McCloskey Co., 1620 Thompson street, \$407,398; Sinclair & Grigg, Medical Arts Building, \$418,500; electric, Ross Elec. Co., 106 Fairmount avenue, \$15,321; plumbing, J. Borden & Bro., 637 North Nineteenth street, \$17,413; heating, J. Borden & Bro., 837 North Nineteenth street, \$43,348. Baldwin School, Sixteenth and Porter streets, Philadelphia, Mitchell Brothers, 2125 Race street, Philadelphia, \$12,440; E. C. Durrell, 1713 North Twenty-fourth street, \$12,559; heating, Bulman Brothers, Fifth and Cumberland streets, \$633; plumbing, S. Faith, 2427 Pennsylvania avenue, Philadelphia, \$7,255. Wharton School, Third and Lombard streets, Mitchell Brothers, 2125 Race street, Philadelphia, \$29,490; S. S. Lewis, Real Estate Trust Building, Philadelphia, \$34,933; heating, L. J. Sommer, 2436 Brown street, Philadelphia, \$977; plumbing, D. J. Keating, 2042 Rittenhouse street, \$5,564. Contract No. 157, Gerbrick and Kaufman, 44 North Second street, \$1,684. Moffet School, Philadelphia, \$2,300. Brown School, Northern Elec. Const. Co., 1309 West Venango street, \$1,966. Todd, Enterprise Elec. Co., 239 South

Tenth street, \$673. Painting, No. 175, H. B. electric, H. W. Hart, 7010 Ditman street, Phil-Roth, 601 Callowhill street, \$15,544. No. 176, J. Ehringer, Sixth and Duncannon, \$2,290. No. 200, W. McMahon, 2806 D street, Philadelphia, \$3,500. No. 201, Ehringer, Sixth and

Duncannon, \$9,210. No. 202, O. B. Canon, 5315 Greenway avenue, Philadelphia, \$24,800. No. 203, James McAlpin, 1713 North Twenty-fourth street, \$16,999. No. 204, Hooper & Null, 1609 Ranstead street, \$23,875.

electric light. Contract awarded M. Melody & Son, 1322 Race street, Philadelphia.
Church (alts.), Chestnut Hill, Pa. Archi-

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Building (add.), Northeast Corner Fifth and Wyoming avenue, \$6,500. Architect, private plans. Owner, Bessie Eisenstein, 3121 North Broad street, Philadelphia. Brick, 2 stories add., 20x25 feet, slag roof, pine floors. Contract awarded to Watt Const. Co., 4826 North Leithgow street, Philadelphia.

Residence, 4542 Almond street, Philadelphia, \$5,500. Architect, private plans. Owner, Antonio Gocolinski, 4540 Almond street, Philadelphia. Brick, 2 stories, 16x50 feet, 16x8 feet, hot water heat, electric light, pine floors. Contract awarded to Frank Sikoski, 4478 Edgemont street, Philadelphia.

Branch Bank, 116 South Fifteenth street, Philadelphia. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Tenth National, care of J. F. Bauder, 1635 North Broad street, Philadelphia. Brick, concrete, cut stone, steel, 2 stories and basement, 92x22 feet, slag roof, cement floors, hollow tile, plumbing, roof ventilators, fire doors, rolled steel sash and skylights, metal lath, marble work, vapor heat, electric light, bronze work, rubber tile floors, linoleum floors, wrought iron pipe, exterior marble. Contract awarded Kober Const. Co., 34 South Seventeenth street, Philadelphia.

Bank Building, Southwest Corner Sixty-fifth and Woodland avenue, Philadelphia. Architects, Norman Hulme and J. J. Dull, 1524 Chestnut street, Philadelphia. Owners, Woodland Avenue State Bank, on premises. Brick, cut stone, steel, limestone, 1 story, basement, gallery and mezzanine, 79x40 feet, slag roof, cement floors, hollow tile, plumbing, shoring, ornamental iron work, kalamein doors, tile, marble and terrazzo work, metal lath, electric, bronze work, galvanized and iron pipe. Contract awarded Knox Landers, 1132 Vine street, Philadelphia.

Apartment Building, 150 West Washington Lane, Philadelphia. Architect, Clarence Wunder, 1520 Locust street, Philadelphia. Owner, E. Simons, on premises. Brick, cut stone, 3 stories, 45x80 feet (heating, electric and plumbing reserved), shingle roof, oak and pine floors, metal lath, tile work, ornamental iron work. Contract awarded W. C. Wright, 22 Harvey street, Philadelphia.

Office Building (alts. and add.), 2017 Spring Garden street, Philadelphia. Architects, Stanton & Stewart, 1524 Chestnut street, Philadelphia. Owners, Philadelphia Association Retail Druggists, on premises. Brick, cast stone, steel, 2 stories, 64x24 feet, Barrett Specification roof, cement and oak floors, painting and glazing, plumbing, electric light, metal lath, rolled steel sash, bond, ornamental iron work, shoring, salted glazed terra cotta, ornamental plastering. Contract awarded Robert E. Lamb Co., 843 North Nineteenth street, Philadelphia.

Car House (alts. and add.), Forty-first, Holly and Haverford avenue, Philadelphia. Owners, Philadelphia Rapid Transit Co., Eighth and Dauphin streets, Philadelphia. Asbestos ceiling, ash lift, stone work, brick work, reinforced concrete, cut stone, hardware, painting and glazing, metal lath, plastering, marble work, iron work, slag roof,

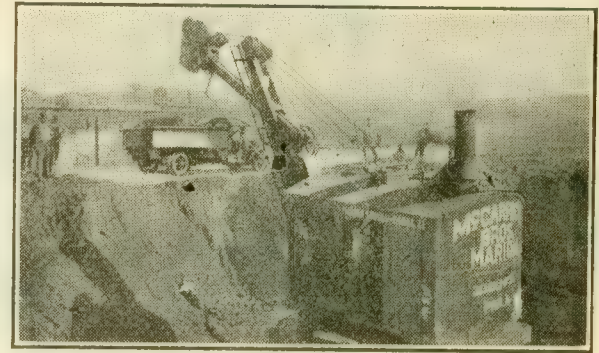
plumbing, tinclad doors, ventilating system, vault doors (heating, sprinkler, electric reserved). Contract awarded H. E. Baton, 1713 Sansom street, Philadelphia.

Residence and Garage (alts. and add.), 323 South Seventeenth street, Philadelphia. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, C. A. Daniels, on premises. Brick, steel, 1 story, 21x20 feet, slag roof, cement and pine floors, plastering, carpentry and mill work, hardware, electric light, metal lath, tile and marble work, iron stairs, cut blue stone. Contract awarded Fred A. Havens Co., 845 North Nineteenth street, Philadelphia.

Store, 4278 Frankford avenue, Philadelphia. Architect, Frank E. Hahn, 7th and Chestnut streets. Owner, William Kogen, on premises. Brick, cut stone, steel, 3 stories, 103x30 feet, wing 27x30 feet (plumbing, heating, electric reserved), slag roof, hardwood floors, hollow tile, painting and glazing, plate glass, metal ceilings, waterproofing and dampproofing. Contract awarded J. Getzik, 1918 North Park avenue, Philadelphia.

Garages and (6) Stores, York road and Albanus street, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, A. Shotz, Juniper Building, Philadelphia. Brick, steel, 1 story, 110x180 feet, gypsum roof, steel trusses, concrete floors, steam heat, electric light, rolled steel sash. Contract awarded Shachter & Levitt, 6163 Sixty-sixth avenue, Philadelphia.

Parochial School (add.), Fifty-sixth and Chester, Philadelphia, \$200,000. Architect, private plans. Owners, Most Blessed Sacrament Church, Rev. J. T. Higgins, on premises. Limestone, steel, concrete, 4 stories, 87½x67 feet, slag roof, cement floors, steam heat,

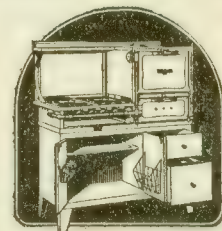


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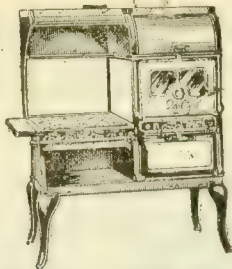
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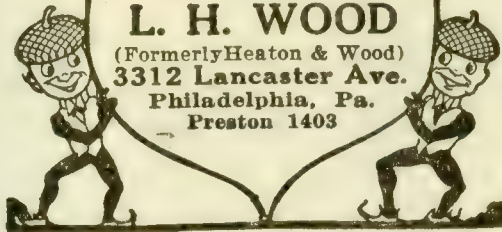
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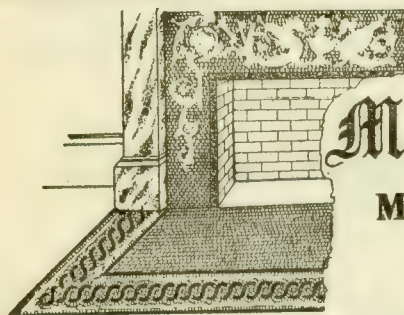
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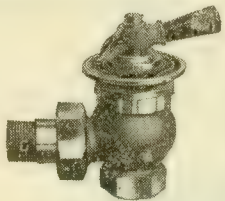
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teets, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Chestnut Hill Baptist Church, Chestnut Hill, Pa. Carpentry and mill work, plastering, electric work, plumbing, painting and glazing, metal window bars, new slag roof, sheet metal work. Contract awarded W. C. Wright, 22 Harvey street, Philadelphia.

Residence (alts. and add.), 5025 Wayne avenue, Philadelphia. Architect, E. G. Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, J. Russell Winder, 4940 Wayne avenue, Philadelphia. Brick office addition, 1 story, 18x20 feet, general alterations. Contract awarded J. Roman, 415 East Brighthurst street, Philadelphia.

Residence and Garage, Dakota street, Wynnefield, Pa. Architect, Edward A. Roth, Drexel Building, Philadelphia. Owner, name withheld. Stone, 2½ stories, 31x42 feet, slate or tile roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded J. Getzik, 1918 North Park avenue, Philadelphia.

Apartment House (alts. and add.), German-town and Highland avenues, \$20,800. Architect, private plans. Owner, William Kilian, on premises. Brick, 2 stories, 26x100 feet, slag roof, hot water heat, electric light, hardwood floors, tile work. Contract awarded M. H. Grebe, 5 East Highland avenue, Philadelphia.

Residence, Tulpehocken, East of Wayne avenue, Philadelphia, \$20,500. Architect, private plans. Owner, R. K. Walling, Tulpehocken and Greene streets, Philadelphia. Stone, 3 stories, 40x25 feet, 1 story, 15x11 feet, hot water heat, electric light, hardwood floors, tile work, electric work. Contract awarded H. H. Keller, 932 Chestnut street, Philadelphia.

Shop (add.), Southeast Corner Morris and Bambrey streets, Philadelphia, \$11,000. Architect, private plans. Owners, Lutz Co., on premises. Steel, 1 story, 114x55 feet, cement floors, corrugated iron roof. Contract awarded to W. G. Uhler's Sons, Northeast Corner Twenty-fifth and Snyder avenue.

Store and Residence (alts.), Southwest Corner Tenth and Montgomery avenue, \$10,000. Architect, private plans. Owner, William K. Arrison, Northwest Corner Tenth and Montgomery avenue, Philadelphia. Carpentry, mill work, painting, glazing, general alterations. Contract awarded to Geo. Kessler Cont. Co., 1733 North Marvine street.

Residences (2), West side Oxford avenue, South of Rockwell avenue, \$6,500 each. Architect, private plans. Owner, John A. Keller, 727 East Price street, Philadelphia. Brick, 2 stories, 16x44 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded to Betzel Brothers, 7312 Bingham street, Philadelphia.

Residences (42), Berbro street and Buist avenue and Theodore street, \$169,000. Architect, private plans. Owner, Michael C. Berger, 710 Commonwealth Building, Philadelphia. Brick, 2 stories, (40) 15x27 feet, 12x9 feet; (2) 15x36 feet, slag roof, pine floors, electric lighting. Contract awarded to Levin Brothers, Commonwealth Building, Philadelphia.

Residence, 809 South Eighth street, Philadelphia, \$6,500. Architect, private plans.

Owner, P. Donato, 5219 Locust street, Philadelphia. Brick, 3 stories, 18x28 feet, 13x15 feet, slag roof, pine floors, electric light. Contract awarded to Chas. B. Donato, 1438 South Ninth street, Philadelphia.

Store (alts.), 9 South Ninth street, Philadelphia, \$4,000. Architect, private plans. Owner, Edward F. Stewart, on premises. General alterations. Contract awarded to William Steele & Sons Co., 219 North Broad street.

Residence, South side Shelmire avenue, West of Whitaker avenue, \$5,500. Architect, private plans. Owner, Max Heebner, 37 West Durham street, Philadelphia. Frame, 2 stories, 25x33 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to A. Irving Knickerbocker, 7508 Montour street.

Residence, 1715 West Estaugh street, Philadelphia, \$6,500. Architect, private plans. Owner, S. Kelso, 1714 Tioga street, Philadelphia. Brick, 2 stories, 20x58 feet, hot water heating, electric lighting, hardwood and pine floors. Contract awarded to Harry Landes, 2267 East Cambria street, Philadelphia.

Seminary (add.), Southeast Corner German-town avenue and Gowen avenue, \$6,000. Architect, private plans. Owners, Lutheran Theological Seminary, on premises. Brick, 1 story add., 27x24 feet, 17x17 feet, electric lighting, heating extension. Contract awarded to W. H. Megargee, 124 East Gorgas Lane, Philadelphia.

Residence, Northwest Corner Bleigh and Tabor streets, Philadelphia, \$4,500. Architect, private plans. Owner, Bertha H. Dawson, 7414 Lawndale avenue, Philadelphia. Frame, 2 stories, 30x24 feet, shingle roof, pine floors, hot water heat, electric light. Contract awarded to Davis A. Gettel, 7321 Tabor road, Philadelphia.

Store and Residence (add.), 2137 North Front street, Philadelphia, \$4,000. Architect, private plans. Owners, F. H. and I. Hetherington, 2131 North Front street, Philadelphia. Brick, 2 stories, 16x20 feet, slag roof, pine floors, electric work. Contract awarded to Harry Goldberg, 2419 South Fairhill street, Philadelphia.

Store and Storage (add.), 2758-60 Kensington avenue, \$3,000. Architect, private plans. Owner, S. Herskovitz, 2418 Kensington avenue, Philadelphia. Brick, 2 stories add., 15 feet 6 inches x 13 feet 6 inches, slag roof, pine floors. Contract awarded to J. Sweet, 2549 Spangler street, Philadelphia.

Building (add.), 1528 Gillingham street, Philadelphia, \$2,600. Architect, private plans. Owners, A. B. Ziegler Co., on premises. Brick, 1 story add., 27x65 feet 6 inches, slag roof, pine floors. Contract awarded to Joseph W. Bradley, 4516 Paul street, Philadelphia.

Residence (alts. and add.), 1825 East Passyunk avenue, \$2,300. Owner, Harry Miller, 1829 East Passyunk avenue, Philadelphia. Brick, 1 story add., 14x10 feet, general alterations. Contract awarded to P. Sharpnipsky, 3210 Columbia avenue.

Residence (alts.), 6117 McCallum street, Philadelphia, \$3,000. Architect, private plans. Owner, Geo. Katz, on premises. General alterations, carpentry and mill work. Contract awarded Harry Gill, Jr., 2515 Germantown avenue, Philadelphia.

Store (alts.), Southeast Corner Fifteenth and Susquehanna avenue, \$2,500. Architect, private plans. Owner, Harry A. Moyer, on premises. General alterations, carpentry and mill work. Contract awarded Girard Realty Cont. Co., 1022 Arch street, Philadelphia.

Garage (alts.), 1714 North Broad street, Philadelphia, \$3,000. Architect, private plans. Owner, Natalie S. Friedman, 251 South Fifteenth street, Philadelphia. General alterations. Contract awarded to Kober Const. Co., 34 South Seventeenth street, Philadelphia.

Residence and Store (alts. and add.), 1245 East Cheltenham avenue, \$2,700. Architect, pri-

vate plans. Owner, Samuel Jamison, 312 Real Estate Trust Building, Philadelphia. Brick, 2 stories add., 16x14 feet, general alterations. Contract awarded to A. Lashner, 4807 North Eighth street, Philadelphia.

Store and Storage (alts. and add.), 2401 Oxford street, Philadelphia, \$2,000. Architect, private plans. Owner, Max Haaken, 2536 North Thirtieth street, Philadelphia. Brick, 1 story, 15x15 feet, general alterations. Contract awarded to H. Greenburg, 2543 North Hollywood street, Philadelphia.

Garage, 5240-50 Lansdowne avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Mrs. Percy, on premises. Brick, 1 story, irregular shape, slag roof, cement floors. Contract awarded to J. D. Fisher, 5426 Thompson street, Philadelphia.

Residence (alts. and add.), 253 South Sixteenth street, Philadelphia, \$5,400. Architect, private plans. Owner, Mrs. N. M. Burke, 251 South Sixteenth street, Philadelphia. Brick, one-story addition, 8x15 feet 6 inches, general alterations, carpentry, millwork, painting. Contract awarded to Mitchell Bros., 2125 Race street, Philadelphia.

Residence, east side of Cottage street, north of Rhawn street, \$4,500. Architect, private plans. Owner, Joseph Kressel, Jr., Holmesburg, Philadelphia. Brick, two stories, 16x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to R. Matthews, 8032 Montague street, Philadelphia.

Residence (add.), 2000 Mt. Vernon street, Philadelphia, \$5,000. Owner, Nora C. Tarpey, on premises. Brick, two-story addition, 22x27 feet, slag roof, pine floors. Contract awarded to W. Edw. Pierce, 328 South Juniper street, Philadelphia.

Residence, south side of Emerson street, west of Loretta avenue, \$4,000. Architect, private plans. Owner, Edwin Weikel, 839 Kerper street, Philadelphia. Brick, one story, 30x38

feet, pine floors, electric light, hot water heat. Contract awarded to K. Weikel, 839 Kerper street, Philadelphia.

Store (alts.), 605 Market street, Philadelphia, \$2,000. Owner, M. Effrein, on premises. General alterations. Contract awarded to J. Getzik, 1918 North Park Avenue, Philadelphia.

Residence, east side of Jackson street, north of Howell street, \$3,000. Architect, private plans. Owner, H. S. Brough, 3126 Princeton avenue, Philadelphia. Brick, one story, 16x36 feet, 9x7 feet, pine floors, hot water heat, electric light. Contract awarded to S. S. Witmer, 3211 Comly street, Philadelphia.

Residence (add.), 705 South Warnock street, Philadelphia, \$2,300. Architect, private plans. Owner, P. Gallo, on premises. Brick, third-story addition, 12x12 feet, two stories, 12x18 feet. Contract awarded to N. Valario, 1814 Mountain street, Philadelphia.

Swimming Pool, Sixteenth and Ruffner Sts., Philadelphia. Architect, Peter F. Getz, Victory Building, Philadelphia. Owners, Department of Public Welfare, Bureau of Recreation, 595 City Hall. Contract awarded to McCormick Lenham, 2403 South Broad street, \$35,985. Plumbing, F. Wackenhut, 2416 Frankford avenue, \$2,593. Electric, C. Mitchell, 1337 McFerran street, Philadelphia, \$1,224.

School (superstructure), Sixtyfourth and Buist avenue, Philadelphia. Architect, Paul A. Monaghan, 1713 Sansom street, Philadelphia. Owners, St. Barnabas R. C. Church, Rev. J. D. Dougherty, on premises. Brick, granite, limestone, three stories, 63x143 feet, steam heat, electric light, slate roof, maple floors. Contract awarded to McCloskey Co., 1620 Thompson street, Philadelphia.

Theatre (alts.), 3941 Market street, Philadelphia, \$2,500. Architect, private plans. Owner, Henry Roskinski, on premises. General alterations. Contract awarded to Fred G. Jay, 2651 South Sixty-seventh street, Philadelphia.

PENNSYLVANIA

Construction News

Junior and Senior High School, Wayne, Pa. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, School District, Radnor Township, E. E. Trout, Radnor, Pa. Brick, concrete, steel, granite, 2 stories and basement (plumbing, heating, electric, ventilating, cabinet work reserved), steel rolling doors, metal lath, tile and marble work, rolled steel sash, copper skylights, bond, iron stairs, ornamental iron work, ornamental plaster, waterproofing and dampproofing. Owners taking bids due June 22nd at noon.

Lodge Building (alts.), Center and Hardin streets, Shenandoah, Pa. Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owners, L. O. O. M., No. 1179, Shenandoah, Pa. Brick, 3 stories and basement, 30x70 feet, built-up roof, composition and maple floors, stucco work, galvanized iron work, marquise, copper bulks, hot water heat, electric light, plumbing, tile and marble work. Plans in progress.

Store and Residence (alts. and add.), Mahonoy avenue and Seventh street, Mahonoy City. Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owner, Harry Levit, Mahonoy City, Pa. Brick, frame, 3 stories, 25x31 feet, tin and asbestos roof, hardwood floors, concrete work, hot water heat, electric light, plate glass. Plans about completed. Owner will be ready for bids in a few days.

Cottage, Lititz, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owner, Albert Reber, Lititz, Pa. Cinder block, 1½ stories, 32x40 feet, slate roof, hardwood floors,

electric lighting. Plans in progress.

Residences (6), Lancaster, Pa. Architect, H. Y. Shaub, 20½ N. Queen Street, Lancaster, Pa. Owner, Tony Skyllas, care of architect. Brick, 2 stories, 30x125 feet, slag roof, pine floors, hot water heat, electric light. Plans in progress.

Residence, Lancaster, Pa. Architect, W. P. Erisman, Woolworth Building, Lancaster, Pa. Owners, German Beneficial Union, Lancaster, Pa. Brick, stone, 2 stories, 30x90 feet, Barber asphalt roof, maple floors, electric light, steel sash. Architect taking bids due as soon as possible.

Residence, Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, C. F. Bowman, 112 North Queen street, Lancaster, Pa. Stone, stucco, 2½ stories, 46x30 feet, slate roof, hardwood floors, hot air heat, electric light, tile work. Owner will build.

Residence, Haverford, Pa., \$16,000. Architects, Charles Barton Keen & Wallace, 338 South Smedley street, Philadelphia. Owner, C. E. Mathers, care of architect. Frame, brick, 2½ stories, 23x50 feet, wood shingle roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress. Architect will be ready for bids in two weeks.

Garage, Tool House, Work Shop, Huntingdon, Pa. Architect, H. L. Reinhold, Jr., 1512 Walnut street, Philadelphia. Owner, A. Fisher, Huntingdon, Pa. Plans in progress.

Vocational High School, Picture Rocks, Lycoming Co., Pa. Architects, M. E. Kressly & Co., Commonwealth Building, Harrisburg, Pa.

Owners, School District of Picture Rocks, Picture Rocks, Pa. Brick, frame, concrete, one story, 98x180 feet, asbestos roof, wood floors. Preliminary plans in progress.

Residence, Royersford, Pa. Architect, H. Gordon McMurtrie, 1012 Walnut street, Philadelphia. Owner's name withheld. Frame, 2½

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stories, 25x37 feet. Preliminary plans in progress.

Church (add.), Gradyville, Pa. Architect, Charles M. Wells, Rutledge, Pa. Owner, care of architect. Plans in progress. Too early for details.

Community Hall, Kutztown, Pa. Architects, High & Huber, 230 North Sixth street, Reading, Pa. Owners, American Legion of Kutztown, care of architects. Brick, one story, 40x100 feet, built-up roof, hardwood floors, steam heat, electric light. Plans in progress.

Convent, Branchdale, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, Star of the Sea R. C. Church, Branchdale, Pa. Frame, two stories, 41x32 feet, asbestos shingle roof, yellow pine floors, steam heat, electric light. Plans in progress.

Garage, Reading, Pa. Architects, High & Huber, 230 North Sixth street, Reading, Pa. Owner, George Romig, 1160 Buttonwood street, Reading, Pa. Brick, concrete, steel, two or three stories, 53x120 feet, built-up roof, concrete floors, steam heat, electric light, metal lath, fire doors, rolled steel sash, floor hardener. Plans in progress. Will take bids next week.

School, Branchdale, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, Star of the Sea R. C. Church, Rev. C. O'Brien, Branchdale. Frame, steel, two stories, 80x54 feet, composition roof, pine floors, steam heat, electric light, iron stairs. Architect about ready for bids.

Residence, Drexel Hill, Pa. Architect, John J. Carroll, 1619 Chestnut street, Philadelphia. Owner's name withheld. Brick, stucco, frame, 2½ stories, 23x37 feet, creosote dipped shingle roof, hardwood floors, hot water heat, electric light, tile work. Plans about completed. Architect will be ready for bids in one week.

Residence and Garage, Noble Vista, Pa. Architect, P. M. Hesser, Jr., 225 South Sixth street, Philadelphia. Owner's name withheld. Stone, frame, 2½ stories, 44x28 feet, 10x18 feet, slate roof, hardwood and cement floors, hot water heat, electric light, tile work. Plans in progress. Will be ready for bids in three weeks.

Residence, near Wayne, Pa. Architect, E. T. Boggs, 225 South Sixth street, Philadelphia. Owner, Dr. Wm. Hill, care of architect. Stone, 2½ stories, 24x41 feet, slate roof, hardwood floors, electric light, tile work. Plans about completed.

Residence and Garage, Elkins Park, Pa. Architect, Herman Miller, Crozer Building, Philadelphia. Owner, Mrs. R. A. Herr, Elkins Park, Pa. Stone, hollow tile, stucco, steel, 2½ stories, 46x33 feet, hot water heat, electric light, tile and marble work, rolled steel sash, ornamental iron work, painting and glazing, asbestos shingle roof, oak and pine floors. Architect taking bids, due June 12th.

Freight Office, Lancaster, Pa. Architect, Samuel T. Wagner, Twelfth and Market Sts., Philadelphia. Owners, Reading & Columbia R. R., Twelfth and Market streets, Philadelphia. Brick, steel, two stories and basement, 30x48 feet, asbestos built-up roof, cement and pine floors, plumbing, hot water heat, electric light, metal lath, rolled steel sash, fire doors, bond, ornamental iron work, metal lockers, wrought iron pipe, dumbwaiters, terra cotta coping. Owner taking bids, due June 12th.

Church (alts. and add.) and Sunday School, Frackville, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. Peter's Reformed Church, Frackville, Pa. Brick, steel, frame, stone trim, 47x90 feet, slate roof, concrete floors, hollow tile, damp-proofing, steam heat, bond. Owner taking bids, due June 12th at 6 P. M.

Church (alts.) and Sunday School, Lancaster, Pa., \$60,000. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. Andrew's Reformed Church, Lan-

caster, Pa. Brick, one story and basement and gallery, 71x60 feet, slate roof, wood and cement floors, cinder block, vapor steam heat, electric light. Architects taking bids, due June 19th.

Residence, Wyncote, Pa. Architect, Wm. F. B. Koelle, Otis Building, Philadelphia. Owner George Harris Lorimer, care of architect. Interior completion and lighting fixtures, paneling. Architect taking bids, due June 12th.

School, Chester, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, St. Hedwig's R. C. Parish, Chester, Pa. Brick, steel, three stories, 139x69 feet, composition roof, maple and pine floors, safety treads, roof ventilators, tile work, iron stairs, steam heat, electric light. Architect taking bids, due June 21st.

School Building (add.), Yeadon, Pa., Church Lane and Marina avenue. Architects, Davis Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, School Board of Yeadon, Delaware Co., Pa. Brick, stone, one story, two wings, 24x18 feet, slag, green slate roof, pine floors, electric light, metal lath, bond, ornamental iron work. Owner taking bids, due June 17th.

Convent, Mahanoy City, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Frame, brick, three stories and basement, 26x62 feet, slate roof, pine floors, hot water heat, electric light. Architect taking bids.

Factory (alts. and add.), West King street, Lancaster, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owners, Keystone Furniture Co., 4 West King street, Lancaster, Pa. Brick, steel, 2 and 5 stories, 33x104 feet, asphalt roof, concrete and pine floors, reinforced concrete vault, iron work. Contract awarded to J. H. Wickersham, Appel Building, Lancaster, Pa.

Fire House, Coatesville, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owners, Brandywine Fire Co., Coatesville, Pa. Brick steel, 3 and 2 stories, 30x150 feet, slag roof, concrete and maple floors, central heat, electric light, ornamental iron work. Contract awarded to W. J. Elliott, Coatesville, Pa.

Union Station (miscellaneous work), Bethlehem, Pa. Architect, S. T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Passenger and baggage tunnels, stairway and elevators, elevator enclosures, concrete curbs, paving, shelter for platforms, electric light, drainage, bond, reinforced concrete work, waterproofing, structural steel, iron work, brick work, marble and tile work, asbestos built-up roof, carpentry and mill work, wrought iron pipe. Contract awarded Curtis Grindrod Co., 10 South Eighteenth street, Philadelphia.

Grade and High School (add.), Oxford, Pa., \$40,875. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, Oxford School Board, Mr. Collings, secretary, Farmers' Bank Building, Oxford, Pa. Brick, steel, 2 stories, gymnasium in basement, 60x60 feet, slag roof, pine floors, safety treads, roof ventilators, waterproofing and dampproofing, terra cotta, skylights (heating, plumbing and electric separate). Contract awarded to M. S. Eby, Gap, Pa.

Parochial School, Dickson City, Pa. Architect, A. I. Prawdzik, 8821 Moosic street, Scranton, Pa. Owners, St. Mary's Roman Catholic Church, Rev. Szpatauski, Dickson

Dormitory and Boiler House, Womelsdorf, Pa. Architect, M. B. DeChant, 632 Washington street, Reading, Pa. Owners, Bethany Orphans' Home, Womelsdorf, Pa. Stone, steel, two stories and basement, 72x42 feet, slate roof, composition and cement and maple floors, roof ventilators (plumbing, heating and electric work reserved). Architect taking bids, due June 12th.

Residence, Haverford, Pa. Architect, Robert Rhodes McGoodwin, 1600 Walnut street, Philadelphia. Owner, Walter K. Hardt, 2259 Georges Lane, Overbrook, Pa. Stone, cut stone, brick, 2½ stories, 56x25 feet, wing 24x16 feet, variegated slate roof, oak and pine floors, plumbing, hot water heat, electric light, tile work, bond, flagstone. Architect taking bids, due June 12th at noon.

Mill Building (alts.), Bridgeport, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, James Lees & Son, Bridgeport, Pa. Steel partitions, plumbing, drainage, slate work, carpentry millwork, composition floors, hardware, glazing, wrought iron pipe, bond. Architect taking bids, due June 11th.

County Almshouse Building, Nazareth, Pa. Architect, E. H. Wenzelberger, Easton, Pa. Owners, Poor Directors of Northampton Co., Nazareth, Pa. Low bidders, Ochs Construction Co., Allentown, Pa., \$118,350; Chas. McCaul Co., 1713 Sansom street, Philadelphia, \$133,382.

PENNSYLVANIA

Contracts Awarded

City, Pa. Brick, hollow tile, 2 stories and basement, 1125x300 feet. Contract awarded to Construction Service Co., Inc., Town Hall Building, Wilkes-Barre, Pa.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Crawford County, R-294, Wayne Township and Cochranon Borough, 11,848 feet. One course reinforced concrete. \$134,519.05. Contract awarded to J. C. Devine Co., Alliance, Ohio.

Erie County, R-272, Fairview and Franklin Townships, 27,076 feet. One course reinforced concrete. \$276,072.82. Contract awarded to Charles H. Fry Const. Co., Erie, Pa.

Jefferson County, R-63, Oliver Township, 10,570 feet. One course reinforced concrete. \$84,740.27. Contract awarded to Indiana Const. Co., Indiana, Pa.

School (alts. and add.), Fifth and Spring streets, Reading, Pa. Architect, Miles B. Dechant, 632 Washington street, Reading, Pa. Contract awarded Woodland Construction Co., Sixty-fifth and Woodland avenue, \$130,000. Plumbing, Corbit Bros., Third and Oley Sts., Reading, Pa., \$24,800. Electric, Weidner, Nuss & Rieger, 150 North Ninth street, Reading, \$3,976.

Theatre, State College, Pa. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, Maurice Baum, State College, Pa. Brick, cut stone, steel, rubber stone, two stories and basement, 125x70 feet, asbestos roof, oak, cement and pine floors, hollow tile, shorting, waterproofing, architectural terra cotta, ornamental iron work, tin clad doors, rolled steel sash, tile and marble work, terrazzo work, steam heat, electric light, steel toilet partitions, plumbing. Contract awarded T. D. Beyer, Tyrone, Pa.

Church, Lansdowne, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Lansdowne Baptist Church, Lansdowne, Pa. Stone, cut stone, limestone, two stories, 67x30 feet, variegated slate roof,

composition and pine floors, plumbing, steam heat, electric light, metal lath, ornamental iron work, artificial stone, iron pipe. Contract awarded D. A. McClelland, Drexel Building, Philadelphia.

Polo Stables, Bala, Pa. Architect, Ralph E. White, Otis Building, Philadelphia. Owners, Philadelphia Country Club, Bala, Pa. Cinder concrete block, stucco, one and two stories, 233x22 feet, four buildings 21x111 feet, asphalt shingle roof, composition floors, painting and glazing, hardware, shorting, waterproofing, metal partitions, stable fittings, plumbing, wrought iron pipe. Contract awarded C. C. Eddleman, 1627 Sansom street, Philadelphia.

Residence, Elkins Park, Pa. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owner, Mrs. B. Strauss, Elkins Park, Pa. Demolition contract awarded to Frank E. Wallace, 337 South Camac St., Philadelphia.

Stores (4) and Apartments, Folcroft, Delaware County, Pa. Architects, Folson, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner, Dr. J. W. Harrigan, on premises. Brick, two stories, 50x84 feet, slag roof, oak and pine floors, hot water heat, electric light, metal lath, ornamental iron work. Contract awarded to J. H. Dawson, Folcroft, Pa.

Residence, Cedar Run Farms, Chester Co., Pa. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, Richard Toland, on premises. Brick, cut stone, 2½ stories, 123x30 feet, plumbing, heating, electric light, variegated slate roof, oak and pine floors, metal lath, tile work, waterproofing, ornamental iron work, flagstone. Contract awarded Keenan Bros., Phoenixville, Pa.

Residence and Garage, Cynwyd, Pa. Architect, John J. Carroll, 1619 Chestnut street, Philadelphia. Owner, E. B. Fairman, Penarch and State Road, Cynwyd, Pa. Stone, brick, stucco, 2½ stories, 30x50 feet, creolipped shingle roof, cement, hardwood and pine floors, vapor heat, electric light, tile work. Contract awarded to I. Demarest, 1935 Stenton avenue, Philadelphia.

Office, York Road and Marlyn Road, Willow Grove, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Edwin N. Johnson, Inc., on premises. Brick, one story, 20x36 feet, pine floors, electric light. Contract awarded Wm. F. Tyson, Hershams, Pa.

New Boiler Installation, State Hospital, Norristown, Pa. Architect, private plans. Owners, State Hospital for the Insane, Norristown, Pa. Installation of new boiler, \$55,000. Contract awarded Albert Doak, 2138 Arch street, Philadelphia.

Club (alts.), Carlisle, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, Phi Kappa Sigma Fraternity, A. Bosler, Carlisle, Pa. General interior alterations, hardwood floors. Contract awarded to H. A. Lackey, Carlisle, Pa.

Store and Apartment (alts.), 314 Chestnut street, Harrisburg, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, C. R. Robinson Co., 312 Chestnut street, Harrisburg, Pa. Brick, steel, three stories, composition roof, pine floors, tile work, electric light, plate glass. Contract awarded to Gettys & McMichael, 12 North Second street, Harrisburg, Pa.

Convent (alts. and add.), 231 North Jardin street, Shenandoah, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owner, Rev. John Mickun, 229 North Jardine street, Shenandoah, Pa. Brick, frame, third-story addition, 30x55 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to J. J. O'Hearn, Shenandoah, Pa.

Rectory (alts. and add.), 229 North Jardin

street, Shenandoah, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owner, Rev. John Mickun, 229 North Jardin street, Shenandoah, Pa. Brick, frame, third-story addition, 25x40 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to J. J. O'Hearn, Shenandoah, Pa.

Apartment House, Reading, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owner, Dr. W. A. Rigg, Colonial Trust Building, Reading, Pa. Brick, Indiana limestone, four stories 60x220 feet, composition roof, hardwood floors steam heat, electric light, tile and marble. Contract awarded to Fink Construction Co., 510 Walnut street, Reading, Pa.

School, Shillington, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owners, Shillington School Board, Shillington, Pa. Fireproof, two stories, 170x100 feet, asphalt roof, maple floors (heating, plumbing, electric separate), hollow tile, tile work. Contract awarded to W. E. & J. E. Fritz, Shillington, Pa. Electric, Keystone Gas Works, Reading, Pa. Plumbing, P. Fisher, Robeson, Pa.

Immaculate Heart Academy, Foundain Springs, Pa. Architect, Paul A. Monaghan, 1713 Sansom street, Philadelphia. Owners, Sisters of I. H. M. Immaculata, Pa. Brick, steel, concrete, limestone trim, three stories and basement, 245x40 feet, wing 112x49 feet, slate roof, hardwood and pine floors, steam heat, electric light, tile and marble work, ornamental iron work. Contract awarded Gordon Nagel, Pottsville, Pa.

Residence (alts. and add.), Lancaster avenue and Morris Road, Wynnewood, Pa. Architect, R. Brognard Okie, 308 South Smedley street, Philadelphia. Owner, Dr. Ashton, on premises. Stone, cut stone, steel, 2½ stories, 38x128 feet (heating reserved), electric light, tile work, variegated slate roof, oak floors, plumbing, painting and glazing, millwork, stairwork, leaded glass, hardware, flagstone. Contract awarded C. C. Eddleman, 1627 Sansom street, Philadelphia.

Residence and Garage, Lock Haven, Pa. Architects, Stearns & Woodnutt, Stephen Girard Building, Philadelphia. Owner, D. S. Hopkins, Lock Haven, Pa. Brick, steel, concrete, 2½ stories, 42x72 feet, one story, 20x24 feet, slate roof, hardwood and cement floors (vacuum heat, electric light, plumbing reserved), tile work. Contract awarded Titlow Bros., Lock Haven, Pa.

Bank Building (add.), Lock Haven, Pa. Architects, Stearns & Woodnutt, Stephen Girard Building, Philadelphia. Owners, First National Bank, Lock Haven, Pa. Brick, stone, steel, two stories, 24x100 feet, 24x60 feet, slag roof, maple and terrazzo floors (heating, plumbing, electric separate), tile and marble work. Contract awarded Titlow Bros., Lock Haven, Pa.

Residence, Drexel Hill, Pa. Architect, Chas. M. Wells, Rutledge, Pa. Owner, Chas. A. Sommer, 13 South Fifty-third street, Philadelphia. Stone and frame, three stories, 38x30 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Contract awarded to Geo. W. Gregory, Swarthmore, Pa.

Manufacturing Building, Lewistown, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Viscoes Co., Marcus Hook, Pa. Brick, one story, slag roof, cement floors, electric light. Carpentry and Machine Shop. Contract awarded to R. S. Shoemaker, Harrisburg, Pa.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Carbon County, A-3283, East Penn Township, 22,707 feet. One course reinforced concrete, \$155,411.42. Contract awarded to General Paving Co., Allentown, Pa.

New Jersey Construction News

High School, Auditorium and Gymnasium, Audubon, N. J. Architect, Arnold H. Moses, Temple Building, Camden, N. J. Owners, Board of Education of Audubon, Oak street and Oakland avenue, Audubon, N. J. Fireproof, concrete, brick, steel, 2 stories and basement, 258x54 feet, 111x92 feet, built-up roof, concrete slab and maple floors, roof ventilators, waterproofing and dampproofing, ornamental iron, iron stairs, bond, kalamein doors, skylights, tile, marble and terrazzo work, metal lath (heating, plumbing, electric separate). Owners taking bids due June 29th at 8 P. M. Certified check 5 per cent. Deposit of \$50 (refunded). Plans may be seen at architect's office.

Residences (2-3) Atlantic City Terrace, N. J. Architect, Wm. F. B. Koelle, Otis Bldg., Phila. Owner, J. Harker Chadwick & Co., Land Title Bldg., Phila. Frame stucco, 45x22 feet, tile roof, frame and slap-board, 2-story, 30x28 feet, shingle roof, hardwood fl., tile work, gas heat, electric light. Plans in progress.

Office Building, Atlantic City Terrace, Atlantic City, N. J. Architect, Wm. F. B. Koelle, Otis Bldg., Phila. Owner, J. Harker Chadwick & Co., Land Title Bldg., Phila. Brick, 1-story, 17x44 feet, moving and remodeling into restaurant. Plans in progress.

Nurses Home, Trenton, N. J. Architect, W. A. Klemann, First National Bank Bldg., Trenton. Owners, St. Francis Hospital, Chambers & Hamilton Sts., Trenton, N. J. Fireproof, 3 stories, 100 x 175 feet, electric ht, (heating, plumbing and electric work, res.). Architect will be ready for bids in two weeks.

Garage and Stable, Barclay and Jefferson Sts., Trenton, N. J. Architect, J. O. Hunt, Hunt Bldg., Trenton, N. J. Owners, City of Trenton, Dept. of Public Works, Geo. La Barre, City Hall, Trenton, N. J. Brick, steel, concrete, 2 stories, 125x125 feet, slag roof, concrete floors, elevators, roof ventilators, water and dampproofing. Owners will take bids in two weeks.

Residence (1) Atlantic City Terrace, Atlantic City, N. J. Architect, Wm. F. B. Koelle, Otis Bldg., Phila. Owner, J. Harker Chadwick & Co., Land Title Bldg., Phila. Frame and clapboard, 2½ stories, 24x25 feet, shingle roof, hardwood and pine floors, arcola heat, electric light tile work. Architect taking bids from local contractors.

Office Building, E. Hanover St., Trenton, N. J. Architects, P. D. Fowler Co., Fitzcharles Bldg., Trenton, N. J. Owners, Colonial Land Co., 221 E. Hanover St., Trenton, N. J. Brick, steel, 1-story, 150x20 feet, slag roof, hardwood floors, roof ventilators, orna. iron, tile work, metal lath, (heating, plumbing, and electric work, separate). Architects taking bids due June 15th.

Infirmary Building, Dining Hall and Employees' Dormitory (Alts. and Add.) Glen Garden, N. J. Architects, Dept. of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, Sanatorium for Tubercular Diseases, Glen Garden, N. J. Brick, reinforced concrete, 290x40 feet and 70x40 feet, slag roof, concrete and terrazzo floors, safety treads, water and dampproofing, concrete stairs floor hardener, kalamein doors terra cotta, marble and terrazzo. Architects taking bids due June 15th. \$25.00 deposit for each set of plans (refunded).

Y. M. C. A., Montclair, nr. Bloomfield, N. J. Architect, Starrett & VanVleck, 393 7th Ave., New York City. Owner, Bldg. Committee Y. M. C. A., Montclair, N. J. Brick, cut stone, concrete steel, 4 stories, basement and attis, 124x129 feet, (plumbing, heating,

electric, res.), slag and blue block slate roof, composition and cement floors, roof vents, water and dampproofing, orna. iron work, bond, hollow metal doors, copper skylights, tile and marble work, metal lath, steel partitions, dumb waiters, linoleum floors. Owner taking bids due June 17th.

Residence (Alts). Riverton, N. J. Architect J. Fletcher Street, 1120 Locust St., Phila. Pa. Owner Mrs. Jos. L. Thomas, Riverton, N. J. General alterations. Architect taking bids due as soon as possible.

Store and Apartment, Woodbury, N. J. Architect, R. R. Neely, 2301 Spruce St., Phila. Owner, Harry Polsky, Woodbury, N. J. Owner taking bids.

School (High) Lambertville, N. J. Architect, Wm. A. Klemann, First National Bank Bldg., Trenton. Owners, Lambertville School Board, Lambertville, N. J. Lowest bidder: General Cont. & Const. Co., Trenton, N. J. \$67,000.

Building. Foot of Jefferson St., Camden, N. J. \$80,000. Architect, private plans. Owners, Armstrong Cork Co., Camden, N. J. Brick block, 4 stories, 72 x 74 ft. 9-in. siag roof, electric lighting. Owners will build.

Building. Foot of Jefferson St., Camden, N. J. \$62,000. Architect, private plans. Owners, Armstrong Cork Co., Camden, N. J. Brick and block, 3 stories, 61 ft 8 in. x 62 ft. 9-in., build.

Residences (2) 612-28 N. 35th St., Camden, N. J. \$6,000. Architect, private plans. Owner, Calvin E. Stowe, Riverton, N. J. Frame, 1-story, 24x34 feet, slate surface shingle roof, hot air heat, electric light. Owner will build.

Residence, 1500 Ormond avenue, Camden, N. J. \$6,000. Architect, private plans. Owner, Walter Poniatowski, 1171 Whitman avenue, Camden, N. J. Brick, two stories, 16x50 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residence, 627 North Thirty-sixth street, Camden, N. J. \$3,000. Architect, private plans. Owner, Calvin E. Stowe, Riverton, N. J. Frame, one story, 24x34 feet, slate surface roof, pine floors, hot air heat, electric light. Owner will build.

Junior High and Grade School (alts. and add.), Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, Atlantic City School Board, H. H. Young, Atlantic City, N. J. Low bidders: Lam Building Co., 1001 Wood street, Philadelphia, \$64,203; No. 1, \$57,390; No. 2, \$4,991; No. 3, \$3,167. P. G. Hannum, Atlantic City, N. J., \$66,923.

New Jersey Contracts Awarded

Church, Broad street, Swedesboro, N. J. Architect, F. J. Schwartz, Woolworth Building, New York City. Owners, St. Joseph's Roman Catholic Church, Rev. J. P. Burke, on premises. Brick, cast stone, steel, 1 story and basement, gallery, 96x52 feet, slag roof, cement and pine floors, electric light, metal lath, ornamental iron work. Contract awarded Hurlley Bryan Co., 117 South Twentieth street, Philadelphia.

Residence and Garage, Riverton, N. J. Architect, J. Fletcher Street, 3120 Locust St., Phila. Owner, J. Lawrence Lippincott, Riverton, N. J. Hollow tile, stucco, 2½ stories, 30x45 feet, 20x24 feet, slate roof, hardwood and cement floors, vapor heat, electric light, tile and marble work. Contract awarded C. S. Moses, Edgewater Park, N. J.

Residences (2) 517-19 N. 34th St., Camden, N. J., \$7,100. Architect—private plans. Owner, Adams & Hibbs, Camden, N. J. Frame 2½ stories, 16x37 feet, slate surface roof, hot water heat, electric light. Contract awarded to Geo. F. Ward, Westmont, N. J.

Residence, 607 N. 32nd St., Camden, N. J., \$4,200. Architect—private plans. Owner, Edwin Robbins, Camden, N. J. Frame 1½ story, 25x35 feet, uberoid roof, pine floors, warm air heat, electric light. Contract awarded to Edw. Christopherson, 603 N. 32d St., Camden.

Delaware Construction News

Residences (4) 28th St. bel. Van Buren, Wilmington, Del. \$6,500 each. Architect, private plans. Owners, W. S. & F. J. Boyce, 910 W. 9th St., Wilmington, Del. Brick, 2 stories, 21x32 feet, asphalt roof, pine floors, hot water heat, electric light. Owners will build.

Residences (5) Lamott St., Wilmington, Del., \$4,000 each. Architect, private plans. Owner, J. S. Hamilton, 829 Orange St., Wilmington, Del. Brick, 2 stories, 13x38 feet, slag roof, hot air heat, electric light. Owner will build.

Residences (2) 26th St., Wilmington, Del. \$6,000 each. Architect, private plans. Owner, Charles Green, Newark, Del. Brick, 2 stories, 16x42 feet, slate roof, pine floors, hot water heat, electric light. Owner will build.

Delaware Contracts Awarded

Administration Building, Dover, Del. Architect, E. C. May, DuPont Bldg., Wilmington, Del. Owners, Murphy School, care Architect. Fireproof, brick, hollow tile, 1½-story, 45x110 feet, slate roof, hardwood floors (heating, plumbing and electric, res.), metal lath, tile and marble; ornamental iron work. Contract awarded to W. D. Haddock & Co., 804 Orange St., Wilmington, Del.

Residence, 730 Nottingham Blvd., Wilmington, Del. Architect, private plans. Owner, Clarence Underwood, DuPont Bldg., Wilmington, Del. Brick, 2 stories, 42x25 feet, slate roof, hot water heat, electric work. Contract awarded to W. D. Haddock & Co., 804 Orange St., Wilmington.

Garage, 16th & Mt. Salem Sts., Wilmington, Del. \$3,744. Architect, private plans. Owner, W. F. Harrington, on premises. Brick, 1-story, 17x32 feet, cement floors, electric lighting. Contract awarded to W. D. Haddock, 804 Orange St., Wilmington.

Residence, 25th and Broome Sts., Wilmington, Del. \$9,975. Architect, private plans. Owner, J. Heinzerold, 2203 Boulevard, Wilmington, Del. Stone, brick, 2 stories, 31x45 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to H. Corton, 2430 W. 18th St., Wilmington, Del.

Miscellaneous Construction News

Chemistry Laboratory, Denver, Colo. Architect, Day & Klauder, Franklin Bank Bldg., Phila. Owner, University of Colorado, Denver, Colo. Stone, steel, concrete, 3 stories, tile roof. Plans for exterior in progress. University will design interior.

Grade and High School, Kerhonkson, N. Y. Architect, Lawrie & Green, 116 Locust St., Harrisburg, Pa. Owners, Kerhonkson School Board, Mr. Anderson, Kerhonkson, N. Y. Brick, frame, 2 stories 130x70 feet, composi-

tion roof, wood and composition floors, hollow tile, dampproofing, roof ventilators, Bond, steel sash, metal lath, (heating, plumbing and electric work, separate). Owners taking bids due June 15th.

Hospital Bldgs., Charleston, S. C. Architect, F. Ferdinand Durang, 1220 Locust St., Phila. Assoc. Archt., J. D. Newcomer, Charleston, S. C. Owner, St. Francis Xavier Infirmary and Sant. Charleston, S. C. Architect taking bids due June 12th.

Proposal

Sealed and separate bids or proposals will be received by the Board of School Directors of the School District of the City of York, Pennsylvania, for the erection and completion of a Senior High School Building to be erected on the plot of ground lying at the northwest corner of West College Avenue and South Beaver Street, York, Pa. The proposals must be submitted separately for the—General construction of the building, Plumbing and Drainage, Electrical Work, and Heating and Ventilating—all in accordance with plans, drawings and specifications prepared by John B. Hamme, Registered Architect, York, Pa. A certified check equal to 5% or an acceptable Surety Company bond equal to 10% of the aggregate amount of the bid must accompany each proposal to guarantee acceptance of contract if awarded.

An acceptable Surety Company bond equal to the full amount of the contract will be required of the successful bidders.

Plans and specifications may be secured from David N. Crider, Secretary of the Board of Directors, in the Central School Building, corner of West King Street and Cherry Alley, York, Pa., upon application accompanied by a deposit of cash or certified check of \$100 for each set of the General Plans and Specifications, \$85 of which will be returned for each set when plans and specifications are returned to said office accompanied with bid. A deposit or certified check for \$50 must accompany applications for each set of the Plumbing and Drainage, Electrical Work, or Heating and Ventilating plans and specifications, \$35 of which will be returned for each set when plans and specifications are returned accompanied with a bid.

In case no bid is received the entire amount of the deposit or check will be forfeited.

On or about June 8th, 1925, plans and specifications will be delivered to persons making application in accordance with the above requirements. Plans and specifications will be on view in the office of John B. Hamme, Registered Architect, Citizens' Savings and Trust Building; in the office of M. O. Lewis, Superintendent of Building and Grounds, in the Central School Building, York, Pa., and at the Builders' Exchanges in Philadelphia, Pa., and Baltimore, Md.

The right is reserved to reject any and all bids.

All bids must be signed, sealed, properly marked with name of contract bid upon, and delivered to David N. Crider, Secretary, Central School Building, York, Pa., before noon of Monday, June 29, 1925.

EDWARD W. NEUMAN,

Chairman of the Committee on Buildings, Grounds and Fuel, of the Board of School Directors of the School District of the City of York, Pa.

**ADVERTISEMENT FOR CONSTRUCTION
OF HIGH SCHOOL BUILDING FOR THE
BOARD OF EDUCATION OF AUDU-
BON, CAMDEN COUNTY, NEW
JERSEY.**

Public notice is hereby given that sealed proposals for furnishing labor and materials to construct a High School Building, where shown on plot plan, on grounds situated on the west side of Edgewood Avenue, between Pine and Walnut Streets, Audubon, N. J., for the Board of Education of Audubon, N. J., will be received and opened by the Chairman of the Building Committee in School No. 1, Oak Street and Oakland Avenue, Audubon, N. J., on the 29th day of June, 1925, at 8 o'clock P. M. (Daylight time).

The work for which proposals are hereby invited covers the complete construction of the School Building, including Electric Work, Plumbing and Drainage, Heating and Ventilating, all ready for movable equipment.

Bids will be received for the work under four separate contracts as follows:

1st. For General Construction of the entire Building.

2nd. For Electrical Work.

3rd. For Plumbing and Drainage.

4th. For Heating and Ventilating.

Bids must be on blank forms provided for that purpose by the Architect, and must be enclosed in sealed envelopes endorsed "Proposal for High School Building at Audubon, N. J.," and must state the branch of work for which proposal is submitted.

No bid will be considered unless accompanied by a certified check to the order of the Board of Education, Audubon, N. J., or cash in the amount of five per cent. (5%) of the bid, and also a statement from a Surety Company that it will furnish the Contractor with a bond for the full amount of the contract, binding the bidder to execute a contract if awarded to him. The terms of the proposal with the surety required are fixed by the specifications.

Copies of the drawings and specifications may be seen at the Architect's office, and a limited number of copies of the same will be loaned by the Architect to prospective bidders on deposit with him of a certified check to the Architect's order, for the sum of \$50.00.

These copies of the drawings and specifications may be obtained by application to Arnold H. Moses, Architect, Temple Building, Camden, N. J.

If the copies of the drawings and specifications are returned to the Architect and an estimate submitted the check will be returned, otherwise the deposit may become forfeited.

ARNOLD H. MOSES, Architect.

June, 1925.

**WONDERFUL RESULTS
OBTAINED IN INSULATING
DWELLINGS**

JOHN R. LIVEZEY

The ability of a material to withstand the test of time for particular purposes is shown in an insulating material. Corkboard, brought on the market about 1893, is now the peer of all other materials used for this purpose, and is the Standard where good insulation is desired.

New uses are being found for it, as time goes on—the insulation of machinery to prevent vibration and deadening of

sound—and the latest and most important use of corkboard is for the insulation of houses. In the past, it has been used in isolated cases for this purpose, and about three years ago, the writer urged an investigation of corkboard for house insulation. Little, however, was done until recently, when investigation brought surprising results as to the great saving in fuel, radiation necessary to heat an insulated house over one not insulated, and the great saving in fuel effected by its use, which is a continual source of income from the investment the whole time the heating plant is in operation.

It has been worked out that the most economical thickness to be used in house insulation is one and one-half inches for walls and two inches for the roof or top ceiling, as the case may be.

One might think that its use would increase the cost of construction so as to make its use prohibitive, but such is not the case; by its use, lath is eliminated, thickness of walls can be reduced, radiation required can be cut 20 to 25 per cent.—house plaster can be applied directly to the cork more easily than to lath of any kind at less cost, and we have absolute examples where the cost of installation in a house will only be a few hundred dollars more at the outside, and in some cases, the saving in construction is greater by the use of cork.

It will surprise many to know that with all the evidence we have of the great advantage in insulating a house, and the continual saving effected, many builders and steamfitters are skeptical of the matter.

As to the saving on the investment, the amount of fuel used can be cut 25 to 35 per cent. One builds a home and installs many things that are only justified because of their convenience. Few, if any, will actually show a worth-while return on the investment; but with a house insulated with corkboard, the situation is different. It pays an actual return in reduced fuel bills for the heating season.

The amount of saving depends on a number of factors—but in practically all cases it may be said that the insulation of a house, except in warm climates will pay for itself in fuel saved in a comparatively few years.

Several illustrations of the saving effected will be interesting, using in the first case manufactured gas, the most expensive way to heat, and the second, using natural gas—the saving where coal is used is just as great.

In this connection, some recent estimates of the amount of fuel that could be saved by Corkboard in specific houses will be of interest. The first figures were compiled on a small house. It was of frame construction, approximately 20x20 feet, two stories high, and was to be heated with manufactured gas having a

calorific value of 540 B.T.U., and costing \$1.00 per thousand feet. Assuming an overall efficiency of 75 per cent. for the heating plant, it was shown that by insulating the outside walls and second story ceiling with corkboard, a yearly fuel saving of \$86.00 would be effected, while with one and one-half inches of insulation the saving would amount to \$99.00. The estimated cost of the corkboard applied was \$192.00 for the one-inch material and \$240.00 for the one and one-half inch. Hence, in either case the cost of the insulation would be returned in less than three years, and after that the saving in fuel would be clear profit, for there is practically no depreciation of corkboard in service.

The second case is a residence. This house is 24 by 36 feet with finished third floor. The exterior walls consist of four inches of hollow tile and four inches of face brick and the roof is of slate, all of which were insulated with corkboard. The wall insulation was erected against the hollow tile in Portland cement mortar and that for the roof was nailed to the under side of the rafters. The interior plaster was applied directly against the surface of the corkboard—no lath being used on the insulated areas.

Using natural gas at 60 cents per thousand cubic feet for fuel and assuming an efficiency of 75 per cent. for the hot

**BUILDERS SUPPLIES
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MOSAIC and CERAMICS**

Camden Tile Co.

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CAMDEN, N. J.

BELL PHONE, CAMDEN 3827 W

water heating plant, the figures showed that the cost of heating this house from October first to May first would be \$207.00 if built in the ordinary way *without insulation*, as compared with \$142.00 if insulated with corkboard. In other words, the use of two inches of pure corkboard on the walls and roof would effect a saving in fuel of \$65.00 per year, or 31.4 per cent.

Now the gross cost of the insulation for this house was \$645.00. But the use of corkboard eliminated 435 square feet of lath which, at 3½ cents per square foot, would have cost \$15.00. Furthermore, the use of corkboard made possible a reduction in the size of the heating plant amounting to \$405.00. Thus the net increase in the cost of the house due to the insulation was only \$225.00 (\$645.00—\$15.00—\$405.00=\$225.00), which would be returned to the owner in a little more than three years in fuel saved.

A testimonial letter to me from a prominent engineer in Philadelphia, regarding his new house finished in 1923, which was insulated with 1½ inch corkboard, put up against hollow tile with Portland cement, states that his house has about 60,000 feet cubical contents, and from October, 1923, to April, 1924, he had only used 12 tons of coal, while to heat his house if it were not insulated, there would be required at least 22 tons in that period. He further states that the house is much cooler in summer, and that the addition of corkboard to a residence is an investment.

The above illustrations should satisfy any intelligent person that an insulated house is the only modern construction.

Besides the insulation of residences, its addition to any class of building is an investment, and it is especially valuable on concrete roofs to prevent the flow of heat either way.

There are many kinds of materials suggested as house insulation, but none of them size up to the ideal or produce the return that pure corkboard does, despite statements to the contrary. It is slow-burning, a fire retardant, resists fire better than any other material, has had the approval of the National Board of Fire Underwriters for cold storage construction, and in places where fire has occurred, its performance has justified this approval many times over.

It is structurally strong, vermin-proof, and will not deteriorate in time, as has been proven in cold storage rooms insulated twenty-five years ago.

The late Chas. P. Steinmetz, formerly consulting engineer for the General Electric Company, said in an address in Boston early in 1923:

"Our present structures are causing annual leakage costs of literally millions of dollars' worth of heat. The seriousness of this loss is not realized because

it is not actually missed and cannot be specifically appreciated. But the loss is there and looms as a serious problem.

"The house of the future will be scientifically built from the standpoint of heating."

More specific is the report of the Bureau of Industrial Research based on a nation-wide survey in which many universities co-operated. According to newspaper accounts, the report states:

"The fuel consumed in 16,000,000 homes of northern states is fully 30 per cent. and probably 50 per cent. more than would be necessary if standards were maintained in materials.

"The heat which pours upwards through the roofs of buildings in Chicago, New York and every other large city where artificial heat is required during part of the year, represents a wasted expenditure of fully a billion dollars every four years. The time honored fallacy that air spaces between roof and upper ceiling serve to stop heat losses is discredited.

"Owners of buildings have not been taught that heat is transmitted through lumber, brick, and stone just as it is through glass, but less rapidly. Many homes in America have a fuel cost equal in a period of 25 years to the first cost."

As an example of saving, a wall consisting of one four-inch course of face brick and a like thickness of hollow tile has a transmission of .28 B.T.U. per square foot, per hour, per degree difference in temperature, *without insulation*. But if insulated with one and one-half inches of pure corkboard, the transmission is reduced to .12 B.T.U., and with two inches of the same material, the flow of heat is only at the rate of .10 B.T.U.—reductions of 57 per cent. and 64 per cent. respectively.

The heat loss through a typical roof consisting of slate laid over wood sheathing or T. & G. boards amounts to .42 B.T.U. per square foot. When insulated with one and one-half inches of pure corkboard, the loss is only .14 B.T.U.—a 66 per cent. saving. And with two inches of corkboard the reduction amounts to 73 per cent.—a transmission of but .11 B.T.U.

Could there be more convincing proof that it is high time to stop this awful waste of fuel and in so doing, it will be like finding easy money. There is another point, too—the idea of the insulated house is so basically sound and is bound to spread so rapidly within the next few years that a house without insulation will have a greatly depreciated resale value.

All existing records for volume of construction work under way in the United States during a single month were shattered in May, according to statistics compiled by the Associated General Con-

tractors of America. The May volume was 26 per cent. greater than that of April, reflecting the great volume of contracts awarded during the two preceding months. The amount of construction activity in the first five months of this year is being taken as an indication that 1925 will set a new twelve-month record.

The cost of construction in the principal centers of the United States remained stationary during May, being exactly double that of 1913. The fact that costs have not increased as a result of the heavy volume of contracts in March is being viewed as a marked assurance of the present stability of the construction industry.

The volume of building contracts during April was the greatest for any month in any year on record, exceeding the previous high mark set in the preceding month, by 11 per cent. Contracts awarded during the first four months of 1925 exceed the volume of those awarded during the corresponding period of 1924 by 8 per cent.

Building permits issued during April showed an increase of 20 per cent. over March. The combined volume of building permits issued during the first four months of 1925 is 4 per cent. less than the corresponding 1924 figure.

The average of wages in the building trades as paid in the principal construction centers of the United States showed no change from the April mark during May. There has been no change in this average since January. There average of prices paid by contractors for construction materials declined one point during May, lower prices for lumber and brick in several localities being chiefly responsible.

Contracts awarded for concrete surface pavement during April totalled 4,900,000 square yards for street and alleys and 12,500,000 square yards for roads. The combination of these totals, 17,400,000 square yards, is larger than the corresponding figure for any month on record, exceeding the previous high mark, set in April, 1922, by 8 per cent. The combined yardage awarded during the first four months of 1925 exceeds the corresponding figure for 1924 by 32 per cent.

Advertising is telling who you are, where you are, and what you have to offer the world in the way of service or commodity.

If nobody knows who you are, or what you have to offer, you do no business, and the world is the loser through giving you absent treatment.

Life is too short for the consumer to employ detectives to ferret out merchants who have the necessities of life to sell.

Reference Directory for Architects, Builders and Owners

ARTESIAN WELLS.

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS AND ARCHITECTS' SUPPLIES.

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

BLUE PRINTS.

Blue Print Shop.1520 Sansom St., Phila.
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Well, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS.

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

BRICK.

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.

BRICK (Face, Common, Paving).

Holloway Corporation.105-107 S. Third St., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS.

Mitchell Bros.2125 Race St., Phila.

BUILDING NEWS.

Daily Building News.Perry Bldg., Phila.

BUILDERS' SUPPLIES.

Camden Materials Co.1345 Pine St., Camden, N. J.
The Van Seiver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK.

D'Lauro, John.55 E. Mermaid Lane, Phila.
Harsch, Wm. F.Narberth, Pa.
Massiah, Frederick. Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

COLUMNS (Metal).

Pearce Fireproof Co.1911 N. 2nd St., Phila.

COMPOSITION FLOORING.

Penna. Flooring & Woodoleum Mfg. Co.,
34 S. 17th St., Phila.

CONCRETE WORK.

Harsch, Wm. F.Narberth, Pa.
Massiah, Frederick. Juniper and Cypress Sts., Phila.

CONTRACTOR'S EQUIPMENT

Lee T. Ward Co.617 Filbert St., Phila.

CORK FLOORING

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

CURTIS WOODWORK.

Gillingham Co.Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS.

Building News Pub. Co.Perry Bldg., Phila.

DAMP-PROOFING.

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger.829 N. 3rd St., Phila.

Concrete Waterproof Paint Co.829 N. 3rd St., Phila.

Master Builders' Co.,
Room 601, 1524 Chestnut St., Phila.

Truscon Laboratories.1505 Race St., Phila.

DRAWING MATERIALS.

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Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

ELECTRICAL SUPPLIES.

Cass, Philip, & Co.40 N. 5th St., Phila.

EXCAVATING.

Harsch, Wm. F.Narberth, Pa.

McCarriek Bros.3138 N. 24th St., Phila.

Morrissey Bros.4345 N. 7th St., Phila.

FENCES.

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co.Erie Ave. and "D" St., Phila.

Reisbord, Wolf.4437-43 Ludlow St., Phila.

FINANCING (BUILDING)

Commercial Advance Corp., 1011 Chestnut St., Phila.

Abe Kolsky.9th & Walnut Sts., Phila.

Mortgage Extension Corp., 1011 Chestnut St., Phila.

FIREPLACE EQUIPMENT.

Martin, E. V.1025 Arch St., Phila.

F. R. Rosen.5216 Walnut St., Phila.

FIREPROOFING.

Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLAG POLES.

J. Lingo & Son.Camden, N. J.

FLOOR HARDENER.

Anti-Hydro Waterproofing Co.,
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Truscon Laboratories.1505 Race St., Phila.

FLOOR PLATES.

Wood, Alan, Iron & Steel Co., Widener Bldg., Phila.

FLUE LINING.

Clausen, Wm. H.27th and Diamond Sts., Phila.

FURNACES AND RANGES.

Cox, Abram, Stove Co., American and Dauphin Sts.

Fleck Bros.44 N. 5th St., Phila.

Miller, Henry M.46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc.64 N. 2nd St., Phila.

GARAGE HEATERS.

Fleck Bros. Co.50 N. 5th St., Phila.

GAS RANGES.

Abram Cox Stove Co.,
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GRADING

Harsch, Wm. F.Narberth, Pa.

HARDWOOD FLOORS.

Wood, L. H.3312 Lancaster Ave., Phila.

HAULING CONTRACTORS.

Dooley, John J.39 S. 19th St., Phila.

McCarriek Bros.3138 N. 24th St., Phila.

HEATING CONTRACTORS.

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Sheffler-Gross Co.Drexel Bldg., Phila.

HOLLOW METAL WINDOWS.

McFarland-Meade Co.,
70th and Kingsessing Ave., Phila.

Tinney, Walter H., Co.,
63rd and Woodland Ave., Phila.

HOLLOW TILE.

Clausen, Wm. H.27th and Diamond Sts., Phila.

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.

Ketcham, O. W.121 N. 18th St., Phila.

HOT WATER GENERATORS.

Edwin Elliot & Co.1011 Chestnut St., Phila.

INSURANCE.

Insurance Co. of North America,
3rd and Walnut Sts., Phila.

Philadelphia Fire & Marine Ins. Co.,
1711 Chestnut St., Phila.

IRON AND STEEL BARS AND PLATES.

Lukens, Lewis N.19th and Washington Ave., Phila.

Montgomery Iron & Steel Co.918 W. Berks St., Phila.

Potts, Horace T., & Co.Erie Ave. and D St., Phila.

Reisbord, Wolf.4437-43 Ludlow St., Phila.

Wood, Alan, Iron & Steel Co., Widener Bldg., Phila.

KITCHEN CABINETS.

Housel, J. W., Co.,
S. E. Cor. 21st and Market Sts., Phila.

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Philadelphia Gas Range Co.1026 Arch St., Phila.

F. R. Rosen.5216 Walnut St., Phila.

LEVELS.

Robbins, Chas. H., Co.1729 Sansom St., Phila.

Warren-Knight Co.136 N. 12th St., Phila.

Weber, F., Co.125 S. 12th St., Phila.

Well, J. H., Co.1315 Cherry St., Phila.

LIGHTING FIXTURES.

Murlin Mfg. Co.5420 Paschall Ave., Phila.

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Murlin Mfg. Co.5420 Paschall Ave., Phila.

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LINOTILE.

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

LUMBER.

Felin, Chas. F., & Co.,
Old York Road, above Butler St., Phila.

Gillingham Co.Norris and Richmond Sts., Phila.

Ketcham, Howard.3rd and Girard Ave., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC.

Belfi Bros. Co.1923 Market St., Phila.

Italian Marble Mosaic Co.433 Spruce St., Phila.

Penna. Tile & Mosaic Co.1637 Wood St., Phila.

Roman Mosaic & Tile Co.435 Green St., Phila.

Wilson, Wm. G.1524 Sansom St., Phila.

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Pearce Fireproof Co.1911 N. 2nd St., Phila.

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PORCH ENCLOSURES.

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Radiator Cabinet Co.Drexel Bldg., Phila.

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American and Dauphin Sts., Phila.

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Miller, Henry M.46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co.1026 Arch St., Phila.

F. R. Rosen.5216 Walnut St., Phila.

Thomson, Wm., Inc.64 N. 2nd St., Phila.

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Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XL, No. 24
June 17, 1925

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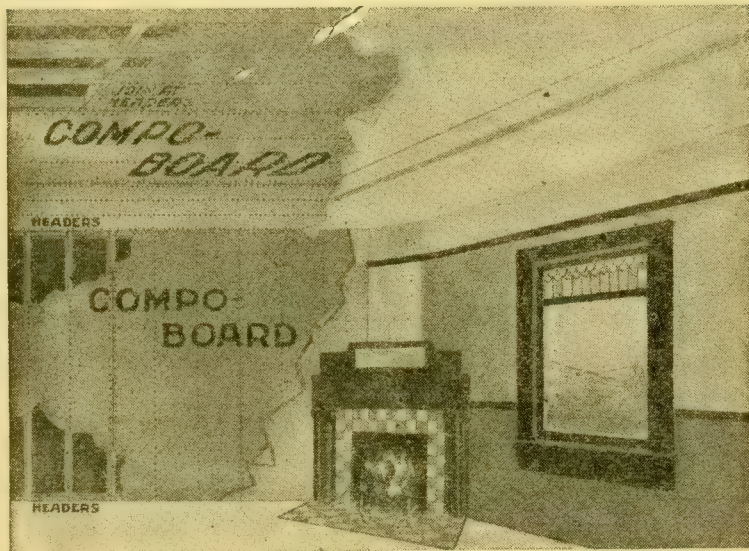
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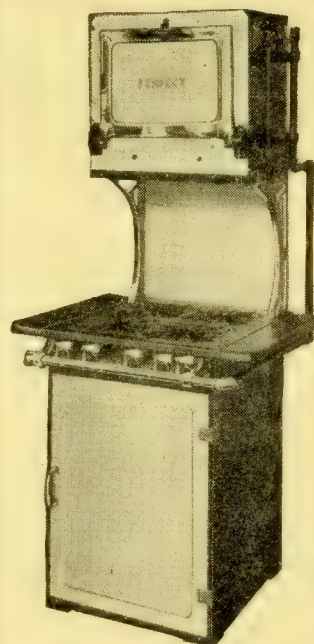
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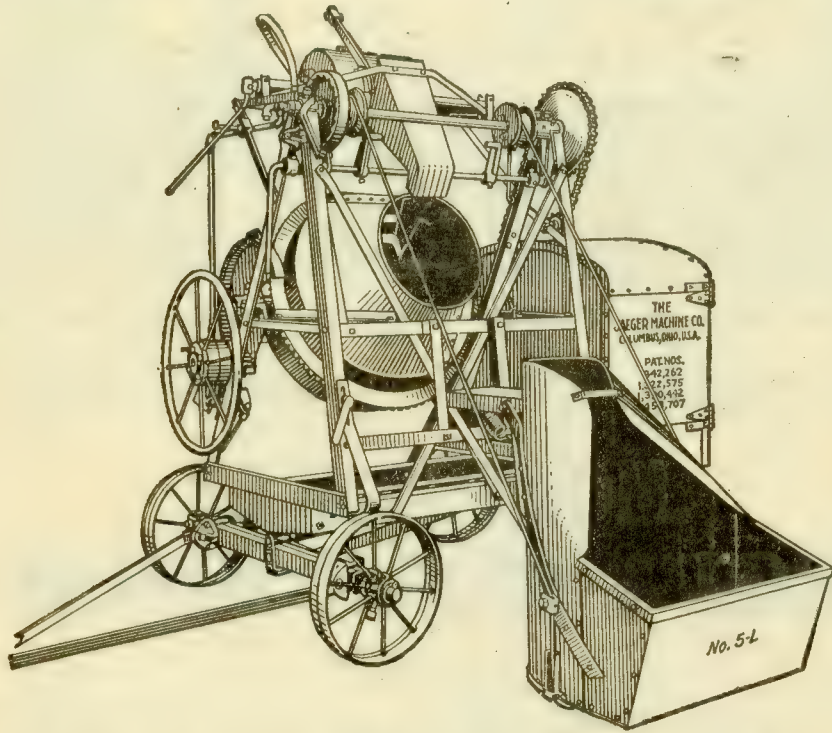
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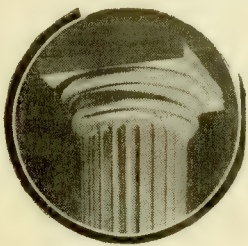
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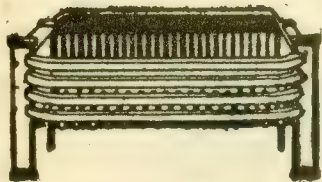
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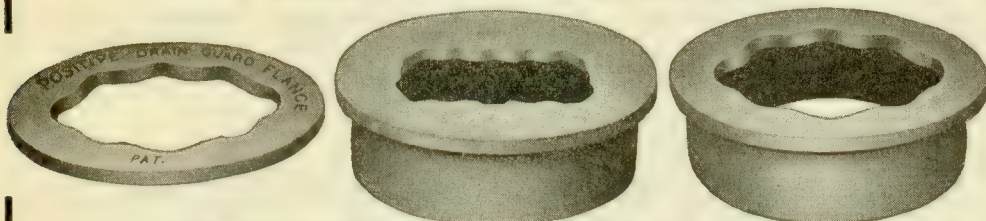
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural

VOLUME XL

Number 24

Engineering and the Building Trades

PHILADELPHIA

June 17, 1925

BUILDERS' GUIDE

PUBLISHED WEEKLY

BY

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS;
CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residence and Garage, Wissahickon avenue above Carpenter's lane, Philadelphia. Architect, Charles Barton Keen, 308 South Smedley street, Philadelphia. Owner, G. Richard Nichols, care of architect. Stone, 2½ stories, shingle roof. New plans in progress. Architect will be ready for bids in three weeks.

High School Building (alts.), Corinthian and Girard avenues, Philadelphia. Architect, private plans. Owners, Birard College, F. O. Zesinger, on premises. Alterations to Rooms 201, 308, 310, 312, carpentry and mill work, roof ventilators. Owners taking bids due June 23rd.

Residence, Chestnut Hill, Pa. Architects, Thomas, Martin & Kirkpatrick, 220 North Sixteenth street, Philadelphia. Owner, Edward Hopkinson, Jr., on premises. Stone, 2½ stories, slate and copper roof, hardwood floors, cement and concrete work, carpentry and mill work, painting and glazing, tile work, electric light, iron work, sheet metal work, general alterations. Architects taking bids due June 20th, 10 A. M.

Supplies, Philadelphia. Purchasing agent, E. J. Lafferty, 312 City Hall, Philadelphia. Owners taking bids due June 25th, 11 A. M. (Standard Time), 329 City Hall. Stationery, hardware, bolts, nuts, weights, pipe and fittings, castings, liquid chlorine, sulphate of alumina. Certified check 5 per cent. of amount of bid.

Grading, Paving, Philadelphia. Owners, Department of Public Works, Bureau of Highways, Philadelphia. Grading, asphalt paving, country road improvement, redressed granite block repaving, furnishing granite block. Certified check 5 per cent. of amount of bid. Owners taking bids due June 22nd, 11 A. M.

Residences (6), West side Ardleigh street, South of Vernon road, \$7,500 each. Architect,

private plans. Owner, R. A. O'Donnell, Broad and Cheltenham avenue, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hardwood and pine floors, electric lighting. Owner will build.

Bank, Automobile Show Room and Apartment House, Northeast Corner Cheltenham and Greene street, Germantown, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Company, care of Abraham Felt & Son, Packard Building, Philadelphia. Work contemplated. Sketches drawn.

Residences (8 pairs), Forty-sixth and Cedar avenue, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, name withheld. Brick, 3 stories, 32x56 feet each pair, tile, slate Mohawk asbestos shingle roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans in progress.

Church (alts. and add.), Tenth street and Northeast Boulevard, Philadelphia. Architect, Ralph B. Benckert, Bellvue Court Building, Philadelphia. Owners, First Christian Church, Rev. Carl Agee, on premises. Plans in progress. Too early for details.

Church and Bible School Building, Wynnefield, Pa. Architect, H. L. Reinhold, Jr., 1513 Walnut street, Philadelphia. Owners, United Presbyterian Church, Wynnefield, Pa. Plans in progress.

New House of Correction, Holmesburg, Pa. Architect, Philip H. Johnson, 1713 Sansom street, Philadelphia. Owners, Department of Public Welfare, Bureau of Charities and Corrections. Stone, steel, cut stone, 2 stories and basement, 6 wings, 120x40 feet, circle in center, asbestos shingle roof, cement floors, metal lath (plumbing, heating and electric separate bids). Plans completed.

Stores (3), Apartments (6), Sixty-first and Baltimore avenue, Philadelphia. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owners, City & Suburban Realty Co., 1015 Chestnut street, Philadelphia. Brick, 3 stories. Preliminary plans in progress.

Parochial School (superstructure), Wissinoming, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Bartholomew's Roman Catholic Church, Rev. Jos. J. Scanlon, on premises. Revised plans in progress.

Residences (26), Store and Apartments (2), N and Lyeoming streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Robert A. MacConagy, 121 North Broad street, Philadelphia. Brick, 2 stories, 16x37 feet, 19x44 feet 6 inches, slag and tin roof, hardwood floors, hot water heat, electric light, tile work, garages in basement, hollow metal skylights, flush bulks, gas. Owner taking gsub-bids.

Apartment House (alts. and add.), Eighteenth and Tioga streets, Philadelphia. Architect, Arnold H. Mueller, 901 Walnut street, Philadelphia. Owners, Allen Brothers, on premises. Brick, marble work, masonry, tile work, concrete and cement floors, carpentry and mill work, kalamein doors, painting and glazing, electric work, plumbing, wrought iron pipe, vapor heat. Owners will build.

Apartment House (18 apartments), 212-14 Highland avenue, Mt. Airy, Pa. Architect, H. B. Weldon, 1817 Callowhill street, Philadelphia. Owner, F. W. Mark, Commercial Trust Building, Philadelphia. Brick, cut stone, cast stone, steel, 3 stories and basement, 39x130 feet, irregular, vapor heat, electric light, slag roof, oak, pine and cement floors, roof ventilators, ornamental iron work, metal lath, tile work. Owner taking subbids.

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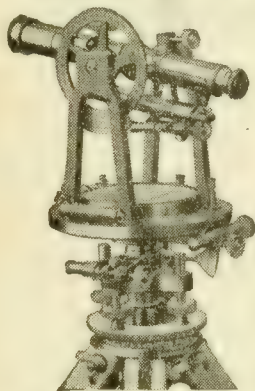
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Twin Residences (4), Tyson and Rising Sun avenue, Lawndale, Pa. Architect, private plans. Owner, Elmer Philips, 7202 Oxford road, Philadelphia. Brick, stone, 2 stories, 16x41 feet, hot water heat, electric light, tile work, slag roof, hardwood floors. Owner will build.

Apartment House, Sixty-third and Lebanon avenue, Philadelphia. Architects, Thomas B. Lippincott and Charles F. Schaef, 11 South Sixteenth street, Philadelphia. Owner, William A. Brady, care of architect. Brick, steel, 4 stories, 148x140 feet, 48x90 feet, slag roof, hardwood floors, elevators, laundry and kitchen equipment, door beds, vapor vacuum heat, electric light, tile work, metal casements, fire tower. Architects taking bids due June 22nd.

Church (alts. and add.), Oak Lane Park, Philadelphia. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owner, George H. Berkley Memorial Methodist Episcopal Church, Sixth and Cheltenham ave. Carpentry, plastering, metal lath, painting, heating and lighting alterations, 1 story. Architect taking bids due June 20th.

Theatre, Germantown and Westmoreland street, Philadelphia. Architect, Ralph Preist, 1627 Sansom street, Philadelphia. Owners, Cameo Theatre, on premises. Brick, steel, 1 story, slag roof, cement floors, metal lath, tile, marble and terrazzo work, hollow metal sash, bond, ornamental iron work, architectural terra cotta, leaded glass, artificial marble, bronze work. Architect taking bids due June 18th.

Residences (11), Sixty-fifth and Chester avenue, Philadelphia. Architect, Guy B. Johnson, 5413 Media street, Philadelphia. Owner, name withheld. Brick, stone, concrete pebble dash, 2 stories, 16x65 feet, mill work, slag and slate roof, composition floors. Architect taking bids due as soon as possible.

Post Office Building, Fifty-second and Florence avenue, Philadelphia. Architect, William Lowenthae, 1208 Chestnut street, Philadelphia. Owners, Messrs. Biddle & Baker, on premises. Brick, cast stone, 1 story and basement, 139x90 feet, slag roof, maple floors, saw-tooth skylights. Owners taking bids and sub-bids due as soon as possible.

Barn (alts. to New Garage), Chestnut Hill, Pa. Architects, Tilden & Register, 1520 Locust street, Philadelphia. Owner, Marshall Scull, on premises. Stone, frame, 2 stories, 21x23 feet, shingle roof, cement floors. Architects taking bids.

Residence (alts.), 334 South Thirteenth street, Philadelphia. Architects, T. H. Lippincott and Charles H. Schaef, 11 South Sixteenth street, Philadelphia. Owners, St. John's Alliance, on premises. General alterations. Architects taking bids due June 19th at noon.

Hotel (add.), 111 South Tenth street, Philadelphia. Architects, Huston & Lewis, 1713 Sansom street, Philadelphia. Owners, McAlpin Hotel, 111 South Tenth street, Philadelphia. Ten stories and basement, 19x58 feet. Architects taking bids due June 19th.

Residences (2) (alts. to apt.), 5730-32 Girard avenue, Philadelphia. Owner, Herman Goller, 5728 Girard avenue, Philadelphia. General interior changes, hot water heat, electric light, plumbing, enclosed porches, galvanized iron work. Owner taking bids.

Alterations and Additions, 115-17 North Nineteenth street, Philadelphia. Architect, Frank E. Hahn, Seventh and Chestnut streets, Philadelphia. Owner, Mr. W. Newman, on premises. Architect taking bids due June 19th.

Equipment. Fire House (add.), Margaret and James streets, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Blumenthal Brothers, on premises. Boiler, stoker, breeching, insulation, brick chimney. Architects taking bids due June 22nd.

Concrete Foundations and Flooring, two hangers, Fifteenth and Snyder avenue, Philadelphia. Owners, Philadelphia National Guards, 103rd Observation Air Service, J. S. Owens, major, Fifteenth and Snyder avenue, Philadelphia. Owners ready for bids June 26th.

Sewer Work, Philadelphia. Owners, Department of Public Works, Bureau of Engineers, 216 City Hall. Branch sewers, main sewer, Stokley Street Sewage Disposal, Wingohocking sewer, laboratory equipment, South Philadelphia improvement, Oregon avenue sewer. Owners taking bids due June 23rd, 11 A. M. (Standard Time). Certified check 5 per cent. of amount of bid.

Grading, Philadelphia. Owners, Department of Public Works, Bureau of Highways, 216 City Hall. Owners taking bids due June 22nd, 11 A. M. (Standard Time).

Box Manufacturing Plant, Twenty-seventh and Bainbridge streets, Philadelphia. Architect, private plans. Owner, name withheld. Brick, steel, 2 stories, 121x49 feet (heating and electric reserved), slag roof, cement and pine floors, plumbing, ornamental iron work, wrought iron pipe. J. N. Gill Co., City Center Building, Philadelphia, taking sub-bids.

Building (alts.), 1214-16 Locust street, Philadelphia. Architect, Ellery K. Taylor, 1416 Chestnut street, Philadelphia. Owners, Fox & McKenzie, care of architect. Changing interior partitions. Architect taking bids.

Library, Nineteenth to Twentieth, Vine and Wood streets, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, City of Philadelphia, Fourth Librarian, J. Armbrust, Thirteenth and Locust streets. Low bidders: Irwin & Leighton, 126 North Twelfth street, Philadelphia, \$3,549,000. F. W. Mark Const. Co., Commercial Trust Building, Philadelphia, \$3,912,329.

Residences (10), West side Westford road, North of Clarkson avenue, \$46,000. Architect, private plans. Owner, Lewis W. Colfelt, 301 Morris Building, Philadelphia. Brick, 2 stories, (1) 16x38 feet, (9) 15x29 feet, 11x8 feet, slag roof, electric light, pine floors. Owner will build.

Residences (6), South side Levick street, East of Lawndale street, \$25,000. Architect, private plans. Owner, Samuel Capkin, 6132 Media street, Philadelphia. Brick, 2 stories, 19x28 feet 8 inches, slag roof, pine floors, electric light. Owner will build.

Garage, 1033-39 South Fifty-third street, Philadelphia, \$20,000. Architect, private plans. Owner, J. W. Massey, 5311 Thomas avenue, Philadelphia. Brick, 1 story, 50x193 feet, slag roof, cement floors, electric lighting. Owner will build.

Apartment (alts. and add.), Southwest Corner Eighteenth and Tioga streets, Philadelphia, \$15,000. Architect, private plans. Owner, M. W. Allen, 508 Real Estate Trust Building, Philadelphia. Brick, 4 stories, 18x36 feet, and 4 stories, 18x18 feet, slag roof, hardwood and pine floors, electric light, general alterations. Owner will build.

Residence and Garage, 7201 Greene street, Germantown, Philadelphia, \$18,500. Architect, private plans. Owner, John W. Moffley, 515 West Mt. Airy avenue, Philadelphia. Brick, 3 stories, 21x42 feet, 21x18 feet, garage, 1 story, 18x19 feet, hardwood, pine and cement floors, electric lighting, tile work. Owner will build.

Garage, Southwest Corner Sixty-third and Glenmore avenue, Philadelphia, \$15,000. Architect, private plans. Owner, H. D. Rose, 1427 Nedro avenue, Philadelphia. Brick, 1 story, 85x75 feet, slag roof, cement floors, electric light. Owner will build.

Apartment House, 500-02 West Cheltenham avenue, Philadelphia, \$225,000. Architect, private plans. Owners, Sutton & Stephenson, 1317 Washington avenue, Philadelphia. Brick, 3 stories, 92x52 feet, slag roof, oak and yellow

pine floors, hot water heat, electric work, tile work. Owners will build.

Residences (11), Knorr and Ditman streets, Philadelphia, \$41,500 total. Architect, private plans. Owner, F. Deitrich, Jr., 1828 East Hiltont street, Philadelphia. Brick, 2 stories, 16x30 feet and 16x38 feet, slag roof, hardwood and pine floors, electric lighting. Owner will build.

Garage, 147 East Eleanor street, Philadelphia, \$18,000. Architect, private plans. Owner, Julius Berman, 6019 Market street, Philadelphia. Brick, 1 story, 90x110 feet, slag roof, cement floors. Owner will build.

Residences (2), 522-24 North Sixty-fifth street, Philadelphia, \$5,000 each. Architect, private plans. Owner, G. G. Centrone, 1015 Chestnut street, Philadelphia. Brick, 2 stories, 15x34 feet, 12x22 feet, slag roof, hardwood and pine floors, electric light. Owner will build.

Residences (2), South side Solly avenue, West of Leon street, \$5,000 each. Architect, private plans. Owners, Holmesburg Concrete Co., Holmesburg, Philadelphia. Stone and concrete block, 2 stories, 16x42 feet, hardwood and pine floors, electric lighting. Owners will build.

Residences (2), West side Lawndale avenue, East of Shelmire street, \$4,500 each. Architect, private plans. Owner, Harry Glaser, 1239 Cottman street, Philadelphia. Brick, 2 stories, 18x36 feet, slag roof, hardwood and pine floors, electric lighting. Owner will build.

Residences, West side Ardleigh street, North of Mermaid Lane, \$5,000 each. Architect, private plans. Owner, William H. Morrison, Doylestown, Pa. Brick, 2 stories, 16x31 feet, slag roof, hardwood and pine floors, electric lighting. Owner will build.

Residences (42), Randolph and Bigler streets, Philadelphia, \$3,500 each. Architect, private plans. Owner, W. L. Jones, 2860 South Fifteenth street, Philadelphia. Brick, 2 stories, various sizes, slag roof, pine floors, hot water heat, electric light. Owner will build.

Garage, North side Stenton avenue, West of Sheldon street, \$3,500. Architect, private plans. Owner, David Sokolow, 3130 Clifford street, Philadelphia. Brick, 1 story, 18x47 feet, 95x19 feet, slag roof, cement floors. Owner will build.

Residence (add.), South side Summit avenue, East of Ridge avenue, \$3,500. Architect, private plans. Owner, Dr. A. A. Miller, on premises. Frame, 2 stories add., 10x20 feet, electric work. Owner will build.

Residences (4) (alts.), 5812-14-16-18 North Mascher street, \$3,200 each. Architect, private plans. Owner, Otto Steinacker, Southwest Corner Fifth and Luzerne streets, Philadelphia. General alterations and heating. Owner will build.

Bungalow, Northeast Corner Byberry and Knights roads, Philadelphia, \$3,000. Archi-

tect, private plans. Owner, W. J. Hendricks, Byberry and Knights roads, Philadelphia. Frame, 1 story, 36x25 feet, shingle roof, pine floors, electric lighting. Owner will build.

Residence (add.), 1018 North Fifty-fourth street, Philadelphia, \$3,000. Architect, private plans. Owner, Wmred Dudley, on premises. Brick, second and third story adds., 16x22 feet. Owner will build.

Residences (6), Southwest Corner Fifty-ninth and Warrington avenue, Philadelphia. Architect, private plans. Owner, Abe Cohen, 808 Cantrell street, Philadelphia. Brick, 3 stories, (1) 18x45 feet, (5) 3 stories, 18x33 feet, 14x11 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Schedule A, Branch Sewers. Owners, Department of Public Works, Bureau of Engineers, City Hall, Philadelphia. Low bidders: Cemetery avenue to Greenway avenue to Philadelphia and Baltimore Railroad, J. J. McHugh, 1617 Race street, Philadelphia, \$2,641.90. Har-tel street, Edrick to Walker, A. Di Sandro, 3906 North Fifth street, Philadelphia, \$3,949.80. Lycoming street, N street to C street, McCool Const. Co., Broad and Passyunk avenue, Philadelphia, \$3,742.40. Nedro avenue, Broad street to Twelfth, E. F. Bennis, 5648 Chew street, Philadelphia, \$12,699.30. Over-brook kavenue, Ithan street to Fifty-sixth street, W. H. Garsin, care of owner, \$10,857.38. Sixty-third street, Gibson avenue to Eastwick avenue, A. Di Sandro, 3906 North Fifth street, \$8,400.

Schedule B—Main Sewers. Bristol street, Peter and A. J. Ellis, 5724 North Marshall, \$135,986.00. Church street, Frankford Creek and Aramingo avenue, W. H. Garsin, care of owner, \$22,899.75. Robbins street, Ditman to Cottage street, R. P. Ryan, Lincoln Building, Philadelphia, \$92,005.00. Thirty-fourth street, J. J. McHugh, 1617 Race street, Philadelphia, \$37,150.93.

Schedule C—Oak Lane Intercepting Sewer in Tenth street, Vare Const. Co., 1120 Race street, Philadelphia, \$84,548.83. Laboratory Equipment, Northeast Sewage, A. H. Thomas Co., West Washington Square, Philadelphia, \$5,223.85. Laboratory Furniture, Northeast Sewage, Shaw-Walker Co., 1010 Chestnut street, Philadelphia, \$2,787.41. Chemical and Bacteriological Reagents, Northeast Sewage, A. H. Thomas Co., West Washington Square, Philadelphia, \$787.27.

Schedule D—Sewer, Packer avenue, J. J. McHugh, 1617 Race street, Philadelphia, \$125,967.26. East League Island Park, Pennsylvania Engr & Const. Co., Real Estate Trust Building, \$28,490.00. Oregon avenue, Front street and Fairhill street, Pennsylvania Engr. & Const. Co., Real Estate Trust Building, \$39,648.40.

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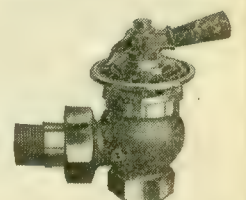
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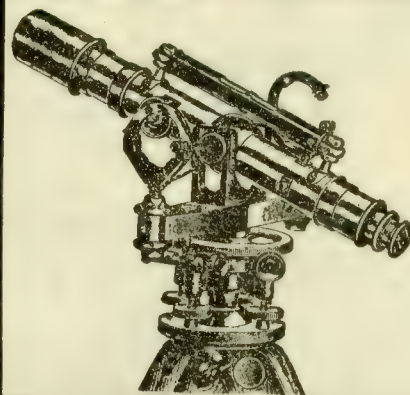


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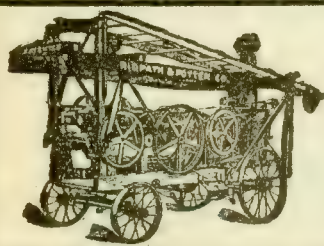
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Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man
and Interior and Exterior Fitter.

Store and Residence (add.), 1248 North Fifty-second street, Philadelphia, \$2,200. Architect, private plans. Owner, P. Sirnetti, 1227 North Fifty-second street, Philadelphia. General alterations and additions. Contract awarded to I. Negri, 1809 South Fourth street, Philadelphia.

Garage, 603 East Walnut Lane, Philadelphia, \$2,150. Architect, private plans. Owner, William A. Miller, Roxborough, Philadelphia. Concrete block, 1 story, 20x21 feet, slag roof, cement floors. Contract awarded to Heavner & Guthridge Co., Norristown, Pa.

Apartment House, Northwest Corner Thirty-sixth and Powelton to Pearl street, Philadelphia. Architect, J. Frank Clark, 23 South Sixteenth street, Philadelphia. Owner, James L. Cochrane, care of architect. Brick, steel, cut stone, 4 stories and basement, 50x178 feet, vapor heat, oil burning equipment, electric light, slag roof, composition and hardwood floors, excavation, electric elevators, concrete work, laundry and kitchen equipment, incinerator, refrigerations, iron stairs, ornamental iron work, hollow metal skylights, kalamein doors, quarry tile, marble and terrazzo work. Contract awarded Franklin Const. Co., 23 South Sixteenth street, who will take sub-bids due at once.

Stores (9), Office Building, Southwest Corner Twentieth and Market streets, Philadelphia. Architect, Abraham Levy, Elrae Building, Philadelphia. Owners, Ninth Ward Realty Co., care of architect. Limestone, brick, steel, 2 stories, 52x160 feet, slag roof, cement and maple floors, steam heat, electric light, tile and marble work, hollow metal skylights, metal bulks. Contract awarded Curtis Grindrod Co., 10 South Eighteenth street, Philadelphia.

Alterations and Additions, 1906-12 North Sixth street, Philadelphia. Architects, Stuckert & Co., Crozer Building, Philadelphia. Owners, Pringle Elec. Mfg. Co., on premises. Demolition, excavation, concrete footings, brick work, cut stone, concrete and cement work, iron work, plastering, mill work, carpentry and stair work, rolling steel shutters, painting and glazing, rolled steel sash, mastic floors, bluestone, chimney caps, slag roof, tin lined doors. Contract awarded Knox Landers, 1132 Vine street, Philadelphia.

Alterations, 251-53 South Fifteenth street,

Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owner, Lionel Friedman, 251 South Fifteenth street, Philadelphia. Carpentry and mill work, plastering, painting and glazing. Contract awarded Kober Const. Co., 34 South Seventeenth street, Philadelphia.

Alterations, 1714 North Broad street, Philadelphia. Architect, private plans. Owners, Florence Realty Co., care of builder. Carpentry and mill work, plastering, painting and glazing. Contract awarded Kober Const. Co., 34 South Seventeenth street, Philadelphia.

Residence and Garage, Gorgas lane and Crittenden street, Stenton, Pa. Architect, J. L. Conaroe, 225 South Sydenham street, Philadelphia. Owner, Samuel F. Haxton, care of architect. Brick, steel, stucco, cast stone, limestone, 2½ stories, 44x28 feet (plumbing, electric reserved), variegated slate roof, oak and pine floors, electric light, metal lath, tile and marble work, ornamental iron. Contract awarded W. J. Ryder, 1725 Sansom street, Philadelphia.

Store Building, 32-36 South Sixtieth street, Philadelphia. Architect, Harold Holmes, care of S. Kresge Co., Detroit, Mich. Owners, S. S. Kresge Co., Detroit, Mich. Brick, granite, steel, cut stone, 2 stories and basement, 100x51 feet, slag roof, cement and maple floors, roof ventilators, metal ceilings, waterproofing, architectural terra cotta, ornamental iron work, bond, tin-clad doors, tile and marble and terrazzo work, hollow metal sash and skylights, metal lath, caen stone. Contract awarded F. Elvidge & Son, 5522 Germantown avenue, Philadelphia.

Church (alts. and add.), Dauphin and Tulip streets, Philadelphia. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Summerfield Methodist Episcopal Church, Rev. G. Luff, 2342 East Dauphin street. Bond, electric work, sheet metal painting and glazing, plastering, mill work, carpentry, cement work, concrete work, stone work (alternate for slate roof), (plumbing, heating reserved). Contract awarded George B. Bond, Thirteenth and Sixty-sixth avenue, Philadelphia.

Alterations and Additions, Chestnut Hill, Pa. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owner, Evan Randolph, on premises Frame,

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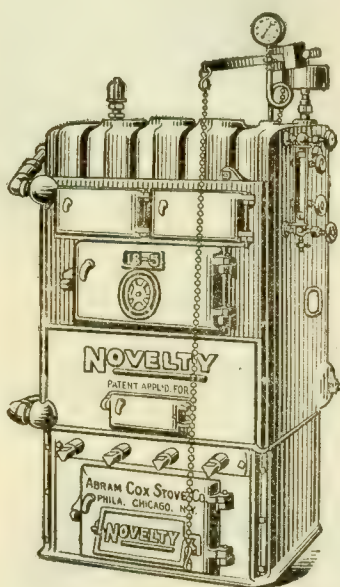
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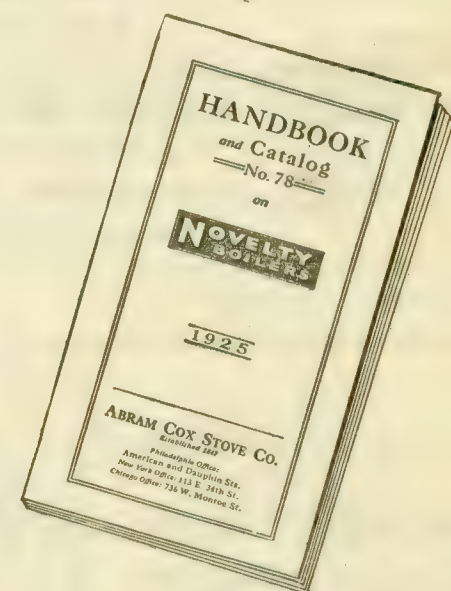
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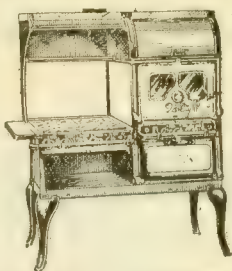
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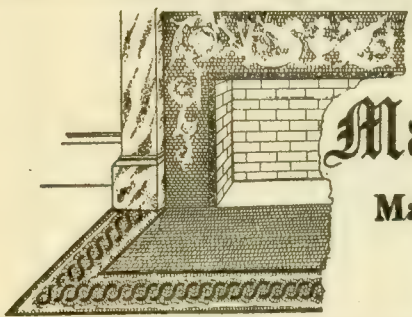
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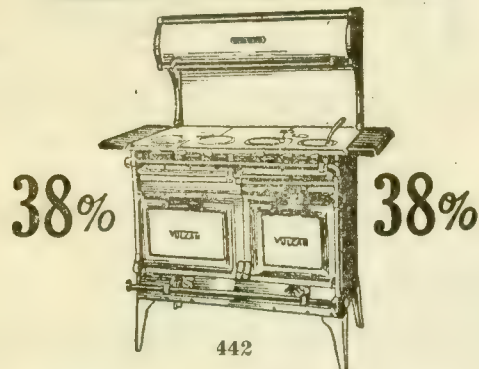
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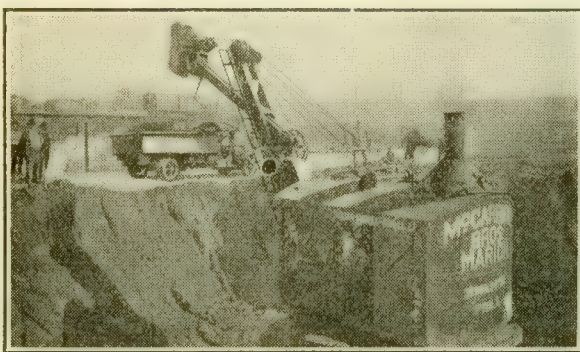
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Flower Shop, Northwest Corner Tyson and Emdunds streets, Tacony, Pa. Architect, George E. Roterman, 3518 Longshore street, Philadelphia. Owner, James Ryan, on premises. Brick, stucco, 25x27 feet, slag, Spanish tile roof, cement floors, electric light, ornamental iron work. Contract awarded F. W. Van Loon, Perry Building, Philadelphia.

Warehouse, 1703-11 Philips street, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owners, S. Spector & Co., on premises. Brick, steel, concrete, 2 stories, 73x73 feet, slag roof, cement floors, electric light, plumbing, plastering, carpentry and mill work, office partitions. Contract awarded J. T. Murpny, 1712 North Second street, who is taking sub-bids due at once.

Truck Tire Service Station, 3450 Ludlow street, Philadelphia. Architect, Ellery K. Taylor, 1416 Chestnut street, Philadelphia. Owner, Harold K. Schoff, care of architect. Brick, steel, 1 and 2 stories, 50x70 feet, slag roof, concrete and composition floors, painting and glazing, plumbing, salt glazed tile coping, ornamental iron work, bond, rolled steel sash, metal lath, electric light, steam heat, granite work, galvanized steel pipe. Contract awarded Charles McCaul Co., 1713 Sansom street, Philadelphia.

Pagoda Restaurant (alts.), second floor, Twelfth and Chestnut streets, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Pagoda Restaurant, on premises. Brick work, marble work, steel and iron work, carpentry and mill work, steel partitions, metal lath, plastering, hardware, composition floors, painting and glazing, plumbing, ventilation, shoring, bond, Byers or Reading galvanized iron pipe. Contract awarded A. G. Warren Co., 1525 Cherry street, Philadelphia.

Residences (6) and Garages, Lincoln Drive and Sedgwick street. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owner, Samuel Shapiro, care of architect. Stone, brick, limestone, plaster, 2 stories and basement, 58x22 feet, slag roof, oak and pine floors, hot water heat, electric light, tile and marble work, plumbing, ornamental iron work, bond, galvanized iron pipe. Contract awarded A. Kirpich, 3211 North Oxford street, Philadelphia.

Miscellaneous Schools, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Contracts

awarded: Jasper and Clearfield School, William Langhorne Co., 10 South Eighteenth street, Philadelphia, \$383,000; electric, Walker & Kepler, 531 Chestnut street, Philadelphia, \$16,483; plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$18,333; heating, W. P. McKenzie Co., 1234 Callowhill street, \$41,482. School, Seventh and Dickinson streets, Philadelphia; McCloskey Co., 1620 Thompson street, Philadelphia, \$407,398; electric, Ross Elec. Co., 106 Fairmount avenue, Philadelphia, \$15,321; plumbing, J. Borden & Bro., 837 North Nineteenth street, Philadelphia, \$17,413; heating, J. Borden & Bro., 837 North Nineteenth street, \$43,348. Baldwin School, Sixteenth and Porter streets, Philadelphia; Mitchell Brothers, 2125 Race street, Philadelphia, \$12,440; heating, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$633; plumbing, S. Faith, 2427 Pennsylvania avenue, Philadelphia, \$7,255. Wharton School, Third and Lombard streets, Philadelphia; Mitchell Brothers, 2125 Race street, Philadelphia, \$29,490; heating, L. J. Sommer, 2436 Brown street, Philadelphia, \$977; plumbing, D. J. Keating, 2042 Rittenhouse street, Philadelphia, \$5,564. Contract No. 157: Gerbrick & Kaufman, 44 North Second street, Philadelphia, \$1,684. Moffet, electric, H. W. Hart, 7010 Ditman street, Philadelphia, \$2,300. Brown, Northern Elec. Const. Co., 1309 Venango street, Philadelphia, \$1,966. Todd, Enterprise Elec. Co., 239 South Tenth street, Philadelphia, \$673. Painting, No. 175, H. B. Roth, 601 Callowhill street, \$15,544. No. 176, J. Ehringer, Sixth and Duncannon streets, Philadelphia, \$2,290. No. 200, W. McMahon, 2806 D street, Philadelphia, \$3,500. No. 201, J. Ehringer, Sixth and Duncannon streets, Philadelphia, \$9,210. No. 202, O. B. Canon, 5315 Greenway avenue, Philadelphia, \$24,800. No. 203, James McAlpin, 1713 North Twenty-fourth street, Philadelphia, \$16,999. No. 204, Hoover & Null, 1609 Ranstead street, \$23,875. No. 122, S. Faith, 2427 Pennsylvania avenue, Philadelphia, \$3,840. No. 124, S. Faith, 2427 Pennsylvania avenue, Philadelphia, \$3,925. No. 211, J. F. Campbell, 2362 North Lambert street, Philadelphia, \$908.88. No. 212, Campbell, J. F., 2362 North Lambert street, Philadelphia, \$1,082.18.

Residence (alts.), 5400 North Twelfth street, South Philadelphia. Architect, Edwin L. Rothchild, Bankers' Trust Building, Philadelphia. Owner, Hugo Odenheimer, on premises. General interior alterations. Contract awarded H. P. Schneider, 3713 Old York road, Philadelphia.

Store Building (alts. and add.), 110 South Eighth street, \$12,000. Architects, The Penwood Co., 131 North Fifteenth street, Philadelphia. Owners, Sacks & Goldman, 36 South Second street, Philadelphia. Brick, steel, 2 stories, general alterations. Contract awarded to A. Barsky, 3223 North Arlington street, Philadelphia.

Residence (alts.), Elkins Park, Pa. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owner, J. Snellenberg, on premises. Enclosed porches, interior alterations. Contract awarded Chapman Decorative Co., 1608 Walnut street, Philadelphia.

Apartment House, 4005-07 Locust street, Philadelphia, \$24,500. Architect, private plans. Owner, T. Burrel, 4005 Locust street, Philadelphia. Brick, 3 stories, 40x20 feet, 33x72 feet, slag roof, hardwood and pine floors, electric lighting, tile work. Contract awarded to Craftsman Building Co., Colonial Trust Building.

Garage, 4304 Dexter street, Philadelphia, \$20,000. Architect, private plans. Owner, M. Cherry, on premises. Brick, 1 story, 46x66 feet, and 1 story, 96x50 feet, slag roof, cement floors, electric light. Contract awarded to

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Office, 6225 Lancaster avenue, Philadelphia, \$17,000. Architect, private plans. Owners, Leroy and Vera Worrell, 6006 Market street, Philadelphia. Brick, 2 stories, 20x60 feet, slag roof, pine floors, electric light. Contract awarded Harry A. Paxson, 6006 Market street, Philadelphia.

Store and Storage (add.), 728 Lombard street, Philadelphia, \$15,000. Architect, private plans. Owner, B. Shapiro, on premises. Brick, 3 stories add., 40x50 feet, second and third stories, 40x45 feet. Contract awarded to A. P. Luckner, Thirty-fourth and Haverford avenue, Philadelphia.

Garage (alts. and add.), Southeast Corner Twenty-sixth and Somerset streets, \$10,000. Architect, private plans. Owner, Peter F. Stephens, on premises. Brick, 2 stories, 62x52 feet, second story add., 52x100 feet, alterations. Contract awarded to Claro Const. Co., Pennsylvania Building, Philadelphia.

Store and Residence, 4917 North Fifth street, Philadelphia, \$9,200. Architect, private plans. Owner, J. Volmer, 3028 North Seventh street, Philadelphia. Brick, 2 stories, 20x37 feet, 15x22 feet, slag roof, hardwood and pine floors, electric lighting. Contract awarded to William L. Campbell, 2411 North Hancock street, Philadelphia.

Garage, North side Hottter street, West of Chew street, Philadelphia, \$8,000. Architect, private plans. Owner, M. J. Lugar, 6688 Chew street, Philadelphia. Brick, 1 story, 17x232 feet, slag roof, cement work, electric work. Contract awarded to John R. Wills, 601 Locust avenue, Philadelphia.

Residence and Store, 1000-02 East Passyunk avenue, Philadelphia, \$9,000. Architect, private plans. Owner, Nicola Brondi, on premises. Brick, 3 stories, 29x15x45 feet, slag roof, pine floors, electric lighting. Contract awarded to Venunzio & Giordano, 1921 South Isenminger street.

Store and Hall, 902-22 West Girard avenue, Philadelphia, \$8,500. Owners, Chattahoochee Tribe, I. O. R. M., on premises. Brick, 3 stories, 23x9 feet add., slag roof, pine floors, electric lighting. Contract awarded to Hart & Dougherty, 1216 North Eleventh street, Philadelphia.

Store (alts.), 1509 Chestnut street, Philadelphia, \$8,000. Owners, A. M. Greenfield & Co., Bankers' Trust Building, Philadelphia. General alterations. Contract awarded to A. W. Hall, Otis Building, Philadelphia.

Residences (5 two family), east side of York Road, north of Albanus street, Philadelphia, \$8,000 each. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owners, A. Shotz & Co., 1324 Walnut street, Philadelphia. Brick, 3 stories, 16x52 feet, hardwood and pine floors, electric lighting. Contract awarded to Shechter & Levitt, 6163 Sixty-sixth avenue, Philadelphia.

Store, 617 Bainbridge street, Philadelphia, \$7,000. Architect, private plans. Owner, I. Blumstein, on premises. Brick, 1 story, 19x27 feet, 13x40 feet, slag roof, pine floors. Contract awarded to A. P. Gucker, Thirty-fourth and Haverford avenue, Philadelphia.

Residence (alts.), 5904 Spencer street, Philadelphia, \$5,500. Architect, private plans. Owner, Dr. D. N. Kremer, 5916 Spencer street, Philadelphia. General alterations. Contract awarded to Morris Reisman, 504 Wharton St., Philadelphia.

Gas Station, S. W. Cor. Fifth and Spring Garden streets, Philadelphia, \$5,000. Owners, Atlantic Refining Co., 200 South Broad street, Philadelphia. Brick, one story, 30x30 feet, cement work, electric lighting. Contract awarded to Metzger, Fisher & White, Otis Building, Philadelphia.

Residence, north side of Fry street, east of Shalkop street, Philadelphia, \$5,000. Architect, private plans. Owner, Charles Tailor, 410

DuPont street, Philadelphia, Frame, two stories, 22x26 feet, shingle roof, pine floors, electric light. Contract awarded to John F. Hillsley, 217 DuPont street, Philadelphia.

Residences (2), north side of Loney street, east of Castor Road, \$5,000. Architect, private plans. Owner, Alfred Bowker, 323 Myrtle avenue, Philadelphia. Brick, two stories, 14x38 feet, slag roof, pine floors, electric work. Contract awarded to Bowker & Drach, 323 Myrtle avenue, Philadelphia.

Residence (add.), 2409 North Fifty-third street, Philadelphia, \$3,500. Architect, private plans. Owner, Wm. Park, on premises. Brick, two stories, 14x22 feet, pine floors, electric light. Contract awarded to George Kessler Cont. Co., 1733 North Marvine street.

Residence (add.), 427 West Upsal street, Philadelphia, \$5,000. Architect, private plans. Owner, Thomas Halton, Sr., on premises. Brick, two-story addition, 20x9 feet. Contract awarded to H. H. Burrell, 206 South Quince street, Philadelphia.

Residence and Store (add.), 701 North Forty-fifth street, Philadelphia, \$4,000. Architect, private plans. Owner, I. Koppleman, 919 Market street, Philadelphia. Brick, two stories, 19x17 feet, one story, 19x29 feet, one story, 5x13 feet, slag roof, pine floors, electric lighting. Contract awarded to B. Simpson, 711 North Tenth street, Philadelphia.

Residence and Store (alts.), 840 Capitol street, Philadelphia, \$3,500. Architect, private plans. Owner, Samuel Kanpian, on premises. General alterations. Contract awarded to Jos. S. Alahocode, 2625 North Jessup street.

Store and Residence (add.), 2318 Grays Ferry avenue, \$3,000. Owner, L. Coranfa, on premises. Brick, two-story addition, 12x17 feet 6 inches. Contract awarded to L. Tenta, 1337 South Eighteenth street, Philadelphia.

Garage and Residence, 3020 Midvale avenue, Philadelphia, \$2,800. Owner, M. P. Haynes, on premises. Brick, two stories, 19x23 feet, slag roof, pine and cement floors. Contract awarded to W. C. Hinson, 2138 Manton street, Philadelphia.

Shop (add.), east side of Bambrey street, south of Morris street, \$4,000. Owners, Lutz Co., on premises. Brick, one-story addition, 44x54 feet, slag roof, electric lighting. Contract awarded to W. G. Uhler's Sons, Twenty-fifth and Snyder avenue.

Storage (alts. and add.), 1714 South Fourth street, Philadelphia, \$3,000. Architect, private plans. Owner, Isaac Schwartz, 1716 South Fourth street, Philadelphia. Brick, two-story addition, 16x7 feet, general alterations. Contract awarded to J. Serdicoff, 2516 South Sixth street, Philadelphia.

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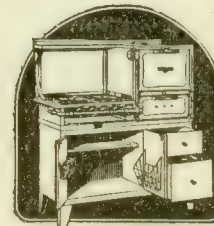
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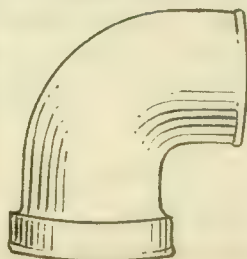
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Building (alts. and add.), 120 North Eighteenth street, Philadelphia, \$3,000. Owners, American Federation of Musicians, on premises. Brick, one-story addition, 5 feet 6 inches x 22 feet, general alterations. Contract awarded to T. S. Fetter, 1829 Filbert street, Philadelphia.

Residence and Store (alts. and add.), 4610 Walnut street, Philadelphia, \$3,000. Architect, private plans. Owner, Y. S. Benglian, on premises. Brick, one-story addition, 18x11 feet, general alterations. Contract awarded to Benjamin & Gurchigian, 5639 Walton avenue, Philadelphia.

Apartment (alts.), N. W. Cor. Worth and Orthodox streets, Philadelphia, \$2,000. Architect, private plans. Owner, Jos. Katz, on premises. General alterations. Contract awarded to A. Rosenberg, 1918 East Orthodox street, Philadelphia.

Residence (add.), 1604 Spruce street, Philadelphia, \$2,500. Architect, private plans. Owner, Mary E. Allis, on premises. Brick, three-story addition, 6x13 feet, slag roof, pine floors, electric lighting. Contract awarded to Wm. R. Dougherty, 1610 Sansam street, Philadelphia.

Garage, 1218 Foulkrod street, Philadelphia, \$2,300. Architect, private plans. Owner, Howard M. Fowler, 1216 Foulkrod street, Philadelphia. Brick, one story, 24x24 feet, 5x7 feet, slag roof, cement floors. Contract awarded to George Rimer, 4822 Hawthorne street, Philadelphia.

Store and Residence (add.), 4629 Westminister avenue, \$2,000. Architect, private plans. Owner, Charles H. Powell, 1543 South Fifty-eighth street, Philadelphia. General alterations and additions. Contract awarded to Leonard Will, 651 North Frazier street, Philadelphia.

Pennsylvania Construction News

Glenside Weldon School (int. finish), Glenside, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, School Board of Abington Township, Montgomery County, Pa. Concrete and cement work, brick work, iron work, carpentry and mill work, composition floors, hardware (plumbing, heating, electric and ventilating reserved). Owners taking bids due June 22nd.

Residence and Garage, Creek Drive and Woodland avenue, Seweckley, Pa. Architect, Carl A. Ziegler, 1012 Walnut street, Philadelphia. Owner, William L. Clause, care of

architect. Architect taking bids due July 7th. **Junior High School,** South Ardmore, Pa. Architects, Boyd, Abel & Gugert, Otis Building, Philadelphia. Owners, Haverford Township School, W. J. Serrill, Haverford, Pa. Brick, stone, two stories. Details undecided. Plans in progress.

Country Club, Fitzwatertown, Pa. Architect, Philip H. Johnson, 1713 Sansom street, Philadelphia. Owners, Lulu Temple Country Club, on premises. Preliminary plans in progress.

Parish House, Scranton, Pa. Architect, Edward Langley, Scranton Life Building, Scranton, Pa. Owners, Church of the Good Shepherd, Dr. W. B. Beach, Scranton, Pa. Brick, two stories. Plans in progress.

Twin Residence, Collegeville, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, Harry Mathieu, Collegeville, Pa. Brick, two stories, 36x36 feet, asbestos shingle roof, yellow pine floors (heating, plumbing and lighting reserved), wood sash. Plans in progress.

Chapel and Rectory, Scranton, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, St. Vincent's Congregation, Rev. J. E. Dounley, Scranton, Pa. Frame, stucco, one story and basement, 50x100 feet, shingle roof, pine floors, electric light. Plans in progress.

Community Center and School. Pine Grove, Schuylkill County, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Tremont Township School Board, Tremont, Pa. Fireproof, two stories, 60x100 feet, slag roof, maple floors, roof ventilators, safety treads, steam heat (heating, plumbing and electric separate), metal lath. Plans in progress.

School, Summit Hill, Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owners Summit Hill School Board, Summit Hill, Pa. Semi-fireproof, 16 rooms. Preliminary plans in progress.

School, West Pittston, Pa. Architects, Mack, Sahn & Foster, Coal Exchange Building, Wilkes-Barre, Pa. Owners, West Pittston School District, Paul Bevan, West Pittston, Pa. Brick, stone, two stories and basement. Preliminary plans in progress.

Hospital (add.), Wilkes-Barre, Pa. Architect, J. A. McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owners, Mercy Hospital, A. C. Campbell, Wilkes-Barre, Pa. Fireproof, brick, tile 44x100 feet, 44x70 feet, hollow tile, elevators, safety treads, water and damp-proofing, iron stairs, tile and marble, metal lath, electric light, heating extension. Plans in progress.

Theatre, Club Room and Dance Hall, Bath, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owners, Bath Chemical Engine and Hose Co., F. P. Laub, Bath, Pa. Brick, steel, two stories and basement, 50x142 feet, reinforced concrete and hardwood floors, roof ventilators, damp-proofing, ornamental iron work, iron stairs, copper work, tile and marble, metal lath, vapor heat, electric light. Plans in progress.

Residence (alts.), Cynwyd, Pa. Architects, Druehemmiller & Williams, 1537 Chestnut St., Philadelphia. Owner, Robert Patrick, on premises. Owner taking sub-bids.

Residence, Hamburg, Pa. Architect, Warren D. Heinly, 7 South Fourth street, Reading, Pa. Owner, Samuel H. Smith, P. O. Box 606, Hamburg, Pa. Brick, hollow tile, concrete foundation, 2½ stories, 28x25 feet, pine floors, Mohawk shingle roof, hot water heat, electric light. Plans in progress. Owners will take sub-bids.

Residence, Pittston, Pa. Architects, Mack & Sahn, Coal Exchange Building, Wilkes-Barre, Pa. Owner, M. A. Ford, Pittston, Pa. Brick, 2½ stories, 30x40 feet, slate roof, hard-

wood floors, tile work, vapor heat, electric light. Owner will build.

Bank, Renova, Pa., \$94,000. Architects, Tilghman Moyer Co., 141 North Ninth street, Allentown, Pa. Owners, First National Bank, W. B. Reilly, President, Renova, Pa. Stone, brick, steel, one story, 37x75 feet, John Manville roof, cork tile floors, steam heat, electric light, tile and marble, bronze work, vault, ornamental iron work. Architects will build.

Bank, Phoenixville, Pa., \$187,000. Architects, Tilghman Moyer Co., 141 North Ninth street, Allentown, Pa. Owners, Farmers & Mechanics' National Bank, C. C. Parsons, President, Phoenixville, Pa. Brick, steel, stone, one story, 42x97 feet, John Manville roof, cork tile and linoleum floors, steam heat, electric light, metal lath, tile and marble, skylights, metal doors. Architects will build.

Store, Northampton, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owner, Charles M. Borges, Northampton, Pa. Steel, brick, three stories, 90x45 feet, slag roof, pine floors, metal lath, elevators, plate glass, vapor heat, electric light. Owner will build.

Residence, Scranton, Pa. Architect, J. M. Davis, 616 Spruce street, Scranton, Pa. Owner, D. M. Reynolds, Linden and Wheller Sts., Scranton, Pa. Brick, frame, two stories, 34x34 feet, shingle roof, hardwood floors, vapor heat, electric light, tile work. Owner will take bids.

Residence, Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owner, J. B. McFadden, 514 North Eighteenth street, Allentown, Pa. Brick, 2½ stories, 68x20 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Owner will take bids.

School, Bethlehem, Pa. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owners, St. Joseph's Windish R. C. Church, Rev. C. Beran, Bethlehem, Pa. Brick, steel, three stories, 70x80 feet, slag roof, pine floors, hollow tile, safety treads, roof ventilators, water and damp-proofing, ornamental iron work, iron stairs, vapor vacuum heat, electric light. Architect taking bids.

Masonic Building, Lehigh, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Masonic Hall Association, Lehigh, Pa. Brick, steel, block and tile, three stories, 65x130 feet, slag roof, hardwood and cement floors, hollow tile, safety treads, ornamental iron work, rolled steel sash, tile work, metal lath, steam heat, electric light. Architects will be ready for bids next week.

Residences (2), Prospect street, Bethlehem, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owner, Barney Flannery, Bethlehem, Pa. Brick, 2½ stories, 50x42 feet, tile roof, hardwood floors, vapor heat, electric light, tile work. Owner taking bids.

Bank, Pennsburg, Pa., \$92,000. Architects, Tilghman Moyer Co., 141 North Ninth street, Allentown, Pa. Owners, Farmers' National Bank, E. J. Wiedeer, President, Pennsburg, Pa. Steel, brick, stone, one story, 39x63 feet, John Manville roof, tile and linoleum floors, steam heat, electric work, tile and marble and terrazzo work, architectural bronze. Architects will build.

Garage, Wilkes-Barre, Pa., \$150,000. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owner's name withheld. Steel, concrete, brick, one and two stories and basement, 107x175 feet, 70x175 feet, slag roof, reinforced concrete floors, water and damp-proofing, ornamental terracotta, iron stairs, fire doors, rolled steel sash, metal lath, steam heat, electric light. Architects ready for bids.

Junior High School (add.), Parker and Clifton avenue, Collingdale, Pa. Architects,

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Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner, School District, Collingdale, Pa. Brick, cut stone, steel, two stories and basement, two wings 35x55 feet, slag roof, cement and maple floors, metal lath, painting and glazing, hardware, roof vents, dampproofing, ornamental iron work, bond, limestone, hydroseal waterproofing, slate blackboards, bid bond. Deposit \$15. Owners taking bids, due June 18th.

Residence (alts. and add.), Pine Broadax, near Ambler, Pa. Architects, T. B. Lippincott & C. F. Schaef, 11 South Sixteenth street, Philadelphia. Owner, J. Caldwell, care of architects. Heating extension, tile and marble work, electric work, tin roof, stucco work, structural steel, iron work, plumbing, painting and glazing, carpentry and millwork, N. C. pine floors, bond, hollow concrete blocks. Architect taking bids, due June 19th.

Bank (alts.), Lansdowne, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Lansdowne National Bank, Lansdowne, Pa. Brick, concrete, electric light (heating reserved), Duraflex and marbelode floors, cement floors, plastering, hardware, iron work, painting and glazing, plumbing alterations cabinet work. Architects taking bids, due June 22nd.

Residence, Charles street, Wilkes-Barre, Pa. Architects, J. A. & D. F. McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owner, Herman Fierman, Horton street, Wilkes-Barre, Pa. Frame, 2½ stories, 36x54 feet, asphalt shingle roof, pine floors, vapor heat, electric light, tile work. Owner taking bids.

Warehouse, Wilkes-Barre, Pa. Architects, J. A. & D. F. McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owner, L. Rothstein, South Pennsylvania avenue, Wilkes-Barre, Pa. Brick, steel, three stories and basement, 25x80 feet, slag roof, concrete floors, electric elevators, electric lighting. Architects taking bids.

Residence, Haverford, Pa. Architects, Tilden & Register, 1520 Locust street, Philadelphia. Owner, Richard L. Barrows, care of architect. Frame, 2½ stories, 51x33 feet, shingle roof, hot water heat, electric light, tile work, ornamental iron work. Architects taking bids, due June 22nd.

Stores and Apartments (4), Dickson City, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Shannon & Early, Dickson City, Pa. Frame, two stories, 65x65 feet, slag roof, pine floors, metal ceilings, copper work, steam heat, electric light. Architects taking bids, due as soon as possible.

School, Rectory and Hall, Titusville, Pa. Architects, Morris & McHale, Mears Building, Scranton, Pa. Owners, St. Titus R. C. Church, Rev. J. J. McCallen, Titusville, Pa. Brick, stone, two stories and basement, 80x170 feet, Barrett roof, hardwood floors, safety treads, roof ventilators, steam heat, electric light, iron stairs. Owners taking bids, due July 1st.

Bank (alts. and add.), Dunmore, Pa. Architects, E. H. Davis & Geo. M. D. Lewis, Union Bank Building, Scranton, Pa. Owners, Fidelity Deposit & Discount Bank, Dunmore, Pa. Steel, reinforced concrete, two stories, slag roof, oak floors, metal window guards, dampproofing, iron work (ornamental), vault, bronze work, tile and marble (heating, electric and plumbing separate). Architects taking bids, due as soon as possible.

School Supplies, Chester, Pa. Owners, Board of Education, S. C. Miller, Assistant Superintendent, Larkin Building, Chester, Pa. Lumber, hardware, paints and oils, etc. Owners taking bids, due June 19th 4 P. M., Standard time.

Paving, Clifton Heights, Pa. Engineers, Damon & Foster, Upper Darby, Pa. Owners, Borough of Clifton Heights, T. J. Fahey, Secretary, Clifton Heights, Pa., Baltimore and

Springfield avenues. Owner taking bids, due June 18th, Daylight Saving. Certified check

Ninth Street Bridge over Chester River, Chester, Pa. Consulting Engineer, S. C. Hollister, Swarthmore, Pa. Owners, Chester, Co., Chester, Pa. Reinforced concrete arch 160 feet span to replace present steel through truss. Owners taking new bids, due June 30th.

Road Work, Pennsylvania. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa. Owners taking bids, due June 23rd at 10 A. M.

Blair County, R-260, Frankstown Township, 5,790 feet. One course reinforced concrete. Certified check \$1,500.

Fayette County, R-288, Sec. 2, Appli. 3056, North Union Township, 17,207 feet. One course reinforced concrete. Certified check \$3,000.

Forest County, R-93, Hickory Township, 2,694 feet. Grading and drainage. Certified check \$1,500.

Fulton County, R-192 193, Dublin and Todd Townships, 43,212 feet. Grading and drainage. Certified check \$4,000.

Huntingdon County, R-33, 55, Huntingdon Borough, 3,026 feet. One course reinforced concrete. Certified check \$1,500.

Lebanon County, R-149, Jackson Township, 3,788 feet. One course reinforced concrete. Certified check \$1,500.

Monroe County, R-167, A-2195, East Stroudsburg Borough, 6,395 feet. Either vitrified brick pavement or bituminous surface course on concrete foundation. Certified check \$1,500.

Schuylkill County, R-140, Sec. 4, A-3360, Pine Grove Township, Pine Grove Borough, 35-784 feet. Either bituminous surface course on a concrete foundation or one course reinforced concrete. Certified check \$4,000.

Venango County, R-91, Sec. 5, A-3367, Cranberry and Pine Grove Townships, 27,219 feet. One course reinforced concrete. Certified check \$3,500.

Warren County, R-88, Spur, Pittsfield and Freehold Townships, 4,650 feet. One course reinforced concrete. Certified check \$1,500.

Delaware and Montgomery Counties, R-142, Radnor and Lower Merion Townships, 48,640 feet. Dual type, two ten foot strips one course reinforced concrete. Certified check \$4,000.

Road Work, Pennsylvania. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa. Low bidders on Road Work opened June 9th:

Beaver County, R-243, Sec. 3, Ohio Township, 8,446 feet. One course reinforced concrete. Rinehart Bros., East Liverpool, Pa., \$94,991.95.

Allegheny County, R-70, Tarentum Borough, 3,938 feet. One course reinforced concrete. Thomas W. Munro, DuBois, Pa., \$50,147.

Armstrong County, R-69-71, East Franklin Township, 2,843 feet. One course reinforced concrete. F. S. Wilson, Kittanning, Pa., \$51,088.15.

Carbon County, A-3275, Lansford Borough, 375 feet. Vitrified brick pavement on 5-inch broken stone base course. DuBois Construction Co., DuBois, Pa., \$9,315.60.

Blair County, R-53-260, Hollidaysburg Borough, 2,791 feet. One course reinforced concrete. B. L. McKiller, Hollidaysburg, Pa., \$35,790.11.

Allegheny County, R-187, Sec. 28, Patton Township, 24,489 feet. One course reinforced concrete. F. F. Mallam & Son, Fairmount, W. Va., \$254,361.98.

Allegheny County, R-257, A-3174, North Fayette Township, 18,100 feet. One course reinforced concrete. Tillman Construction Co., Chicago, Ill., \$170,977.71.

Mifflin County, R-29, Lefistown Borough, 6,401 feet. One course reinforced concrete. J. B. Trexler, Lewistown, Pa., \$85,541.41.

Susquehanna County, R-296, A-1636-3009, Lanesboro and Susquehanna Townships, 9,982 feet. One course reinforced concrete and hilside vitrified brick. W. E. Bennett, Lanesboro, Pa., \$127,874.75.

Washington County, R-118, A-2844, Bentleyville and Ellsworth Boroughs, 5,577 feet. One course reinforced concrete. Johnson & Kearns, DuBois, Pa., \$77,395.35.

Westmoreland County, R-118, Sec. 3, Rostraver Township, 8,950 feet. One course reinforced concrete. Edwards-Dunn Co., Inc., Greensburg, Pa., \$86,572.99.

Forest County, R-92, Sec. 1, Green Township, 15,688 feet. One course reinforced concrete. Milligan & Ringler, Blairsville, Pa., \$151,444.70.

Clearfield County, R-221, A-3366, Chester Township, 21,120 feet. One course reinforced concrete. Joe Weisner, St. Mary's, Pa., \$168,120.27.

Paving, Radnor and Lower Merion Townships, Pa. Architect, private plans. Owners, Pennsylvania Department of Highways, P. D. Wright, Harrisburg, Pa. Reconstruction of 48,640 lineal feet dual type, 2 10 ft. strips, 1 course reinforced concrete pavement, 2 strips 10 ft. wide, Route 142, Radnor, Delaware County; Lower Merion, Montgomery County. Owners taking bids due in Harrisburg at 10 A. M., June 23. Deposit \$2.50 a set, no refund. Plans may be seen at Borton Building, Sixty-ninth and Market streets, Philadelphia.

Residence (alts. and add.), Devon, Pa. Architects, Stewardson & Page, 315 South Fifteenth street, Philadelphia. Owner, J. B. Bioren, Devon, Pa. Brick work, cut stone, stone, 2½ stories and basement, 34x21 feet, wing 30x25 feet, tile, variegated slate roof, cement and oak floors, painting and glazing, carpentry and mill work, hardware, plastering, plumbing, surface waterproofing, bond, ornamental iron work, metal casements, painting and glazing, flagstone, metal lath, tile work. Architects taking bids due June 23rd.

Pennsylvania Contracts Awarded

Schools (4), Brookline, South Ardmore, Manoa and Preston, Pa. Architects, Boyd, Abel & Gugert, Otis Building, Philadelphia. Owners, Haverford Township School Board, W. J. Serrill, Haverford, Pa. Stone, brick, cut stone, slag roof, variegated slate roof, maple and cement floors, hardware, painting and glazing, metal lath, tile work, bond, ornamental iron work, flagstone or bluestone. Brookline, two stories and basement, 56x41 feet; Brookline High, two stories and basement, 24x24 feet, two wings, Manoa first, two wings, 49x35 feet, Preston, toilet enc. Contracts awarded: General on all four schools, to F. K. Worley Corp., Wesley Building, Philadelphia, total price \$84,576. Heating contract, Brookline Grammar, Wayne Plumbing and Heating Co., Wayne, Pa., \$6,887. Brookline High, Bowers Bros., 2015 Sansom street, \$1,565; Manoa, J. Borden & Bros., 627 North Nineteenth street, Philadelphia, \$1,830. Plumbing, Brookline Grammar, W. C. Stranaghan, 314 Darby Road, Llanerch, \$1,495; Brookline High, W. C. Stranaghan, 314 Darby Road, \$75; Manoa, J. Borden & Bros., 637 North Nineteenth street, Philadelphia, \$855; Preston, J. Borden & Bros., 637 North Nineteenth street, Philadelphia, \$265. Low bidders on electric: M. C. Dunne, 471 Springfield avenue, Brookline Grammar, \$385; Brookline High, \$650; Manoa, \$282.

Senior High School (add.), Garage (add.), Ardmore, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Own-

ers, Board of Directors, Lower Merion Township School Board, Merion. School, brick, cut stone, reinforced concrete, one story, 81x20 feet (plumbing, heating and electric reserved), promenade tile roof, cement floors, electric light, hardwood, painting and glazing, ornamental iron work, bond, hollow metal sash, limestone. Garage, stone, hollow tile, stucco, one story, 31x60 feet, asphalt shingle roof, cement floors, heating addition, electric light, metal lath, ornamental iron work. Contract awarded Bowden Construction Co., 1607 Summer street, Philadelphia.

High School, Bethlehem, Pa. Architect, George I. Lovatt, 223 Sydenham street, Philadelphia. Owners, Holy Infancy R. C. Church, Rev. C. E. Bowles, on premises. Brick, one and two stories. Contract awarded to H. F. Stoudt, Bethlehem, Pa.

High School, Thirteenth and Oley streets, Reading, Pa. Architects, Ritcher & Eiler, Reading, Pa. Owners, Board of Education, Adam M. Leader, Reading, Pa. Contract awarded M. Melody & Son, 1322 Race street, Philadelphia, \$1,026,000.

Church, Abington, Pa., \$80,000. Architects, Druckenmiller & Williams, 1537 Chestnut street, Philadelphia. Owners, Abington Presbyterian Church, Abington, Pa. Stone, cut stone, brick, two stories and basement, 84x55 feet, Vermont slate roof, mastic and pine floors, plumbing, waterproofing, electric light (heating reserved), tile work, bond, ornamental iron work, flagstone, wrought iron pipe. Contract awarded to E. Allen Reeves, Abington, Pa.

Bank Building, Bethlehem, Pa., \$125,000. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Lehigh Valley National Bank, Bethlehem, Pa. Brick, granite, cut stone, steel, one story and basement, 134 x 60 feet, cement floors, composition roof, plumbing, metal lath, hollow tile, roof vents, architectural terra cotta, bronze work, wrought iron pipes, ornamental iron work, bond, hollow metal sash and doors, marble and terrazzo work, steam heat, electric light. Contract awarded to H. E. Stoudt & Co., Bethlehem, Pa.

Residence (alts.) W. Conshohocken, Pa. Architect, Louis Rush, Middle City Bldg., Phila. Owner, Wm. B. Read, W. Conshohocken, Pa. Stone work, structural steel, carpentry and millwork, hardware plastering, stucco work, tile and marble work, painting and glazing, electric work, plumbing and heating alterations. Contract awarded W. H. Eddleman, 453 Green Lane, Phila.

Residence (Alts. and Add.) Camphill, Pa. Architect, Tilden & Register, 1520 Locust St., Phila. Owner, Mr. Radcliffe Cheston, Jr., on premises. Stone, stucco, 2½ stys. and basement, 23x35 feet, shingle roof, oak and pine floors, hot water heat, electric light, tile work, ornamental iron work. Contract awarded J. S. Cornell, 1528 Cherry St., Phila.

Residence (Alts. and Add.), Panmure Rd., Haverford, Pa. Architect, Seeburger & Rabenold, 1524 Chestnut St., Phila. Owner, Mrs. Clara R. G. B. Walton, on premises. Stone, masonry, carpentry and millwork, repairs to shingle roof, plastering, (plumbing, heating electric, furnished hardware, painting and glazing, grading res.). Contract awarded Albert Zellfelder, 1524 Walnut St., Philada.

Bridge, Cheltenham Hills, Pa. \$70,000. Architect, private plans. Owner, Phila. & Reading R. R., S. T. Wagner, 12th and Market, Philada. Concrete, 550x30 feet. Contract awarded Fish Rutherford, 2313 Walnut St., Phila.

Residence, Georgetown, Pa. Architects, Schroeder & Schmitt, Weitzenkorn Bldg., Wilkes-Barre. Owner, J. Shannon, Georgetown, Pa. Frame 2 story, 26x26 feet, slate roof, hardwood floors, steam heat, electric light. Contract awarded to Charles Thomas, Kingston, Pa.

Store, S. Main St., Wilkes-Barre, Pa. Architects, Schroeder & Schmitt, Weitzenkorn Bldg., Wilkes-Barre, Pa. Owner, name withheld. Brick, stucco, 3 stories, 25x150 feet, slag roof, tile and maple floors, metal ceilings, general interior alterations, rolled steel skylights, tile and marble, electric light. Contract awarded to Morris Moskowitz, 63 Hazle St., Wilkes-Barre.

Laundry (Add.) Wilkes-Barre, Pa. Architects, Mack & Sahn, Coal Exchange Bldg., Wilkes-Barre, Pa. Owners, Hessler Laundry Co., 163 N. Main St., Wilkes-Barre, Pa. Brick, steel, 2 stories, 37x54 feet, built-up roof, reinforced concrete floors, steam heat, electric light, steel sash, fire doors. Contract awarded to O. J. Behrens, 179 Blackman St., Wilkes-Barre, Pa.

Theatre & Club, White Haven, Pa. Architects, J. A. & F. M. McGlynn, Simon Long Bldg., Wilkes-Barre, Pa. Owners, American Legion, Andrew Funke, White Haven, Pa. Brick, hollow tile, stucco, 2 stories, 45x90 feet, slag roof, pine floors, roof ventilators iron stairs, orna. iron, metal lath. Contract awarded to Wm. Nowak, White Haven, Pa.

Store (Alts. and Add.) Kingston, Pa. Architects, Mack & Sahn, Coal Exchange Bldg., Wilkes-Barre, Pa. Owner, Dr. C. W. Schaffer, Market St., Kingston, Pa. Brick, 1 story, 50 x 80 feet, slag roof, electric lighting. Contract awarded to O. J. Behrens, 179 Blackman St., Wilkes-Barre, Pa.

Residence, Scranton, Pa. Architects, Morris & McHale, Mears Bldg., Scranton, Pa. Owner, Philip H. Warren, 119 N. Lincoln Ave., Scranton, Pa. Frame and Stucco, 2½ stories, 72 x 46 feet, tile roof, steam heat, electric light, tile work. Contract awarded to Fred Klee, 1030 Paul Ave., Scranton, Pa.

Warehouse, Mifflin Ave., Scranton, Pa. Architect, Edward Langley, Scranton Life Bldg., Scranton, Pa. Owners, C. B. Scott Co., 119 Franklin Ave., Scranton, Pa. Brick, 3 stories and basement, 75 x 92 feet. Contract awarded to P. Stipp Colfax and Pine Sts., Scranton, Pa.

Residence and Garage, Canadensis, Pa. Architect, J. J. Howley, Traders Bank Bldg., Scranton, Pa. Owner, T. Barome, Care Architect. Frame, stucco, 2½ stories, 32 x 43 feet, shingle roof, hardwood floors, steam heat, electric light, tile work. Contract awarded to Wm. Vernoy, Canadensis, Pa.

School No. 7 (Alts. and Add.) Carbondale, Pa. Architect, J. J. Howley, Traders Bank Bldg., Scranton, Pa. Owners, Carbondale School Board, Thos. Curran, Secty., Carbondale. Frame, 8 rooms, slate roof, maple floors, heating extension. Contract awarded to J. A. Hoole, Carbondale, Pa.

School No. 3 (alts. and add.), Carbondale, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Carbondale School Board, Thomas Curran, secretary, Carbondale. Brick, steel, 2 stories, 12 rooms, slag roof, maple floors, safety treads, roof ventilators, metal ceilings, steel sash, iron stairs. Contract awarded to J. A. Hoole, Carbondale, Pa.

School No. 2 (alts. and add.), Forest City, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Forest City School Board, J. J. Cleary, Forest City, Pa. Frame, 2 stories, 4 rooms, shingle roof, maple floors. Contract awarded to Joseph Hiesbar, Forest City, Pa.

Road Work, Pennsylvania. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa. Jefferson County, R-357, Perry Township, 26,218 feet. One course reinforced concrete. \$124,344.90. Contract awarded to R. V. Baldwin, Corapolis, Pa.

Lebanon County, R-139, Annville Township, 4,700 feet. One course reinforced concrete. \$83,444.72. Contract awarded to Frey Const. Co., York.

Bridge, McKean County, R-211, Eldred

Township, \$45,801.48. Contract awarded to Milliron Const. Co., Dubois, Pa.

Bridge, Sullivan County, R-19, Davidson Township, \$10,775.40. Contract awarded to D. S. Seitz & Son, Sunbury, Pa.

Schuylkill County, R-199, Section 1, Porter, Tremont and Frailey Townships, Tremont and Tower City Borough, 59,691 feet. One course reinforced concrete. \$652,036.89. Contract awarded to Henry W. Horst Co., Rock Island, Ill.

Berks County, A-3218, South Heidelberg and Spring Townships, 22,499 feet. One course reinforced concrete, \$190,250.04. Contract awarded to Michael Staub, Pitman, N. J.

Telephone Building (alts.), Wayne, Pa. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., Seventeenth and Arch streets, Philadelphia. Grading and iron fence. Contract awarded F. W. Van Loon, Perry Building, Philadelphia, \$5,000.

Bank, Media, Pa. Architects, Morgan French Co., 19 West Forty-fourth street, New York City. Owners, First National Bank, Media, Pa. Structural steel, ornamental iron work, kalamein doors, carpentry and millwork, painting and glazing, plumbing, elevator, electric work, tile and marble work, bronze, bond, concrete work, brick work, architectural terra cotta, metal lath, plastering, iron stairs, John Mansville asbestos built up roof, roof vents, skylights, wrought iron pipe, steam heat, cork tile and linoleum floors, two stories and basement, 27x29 feet. Contract awarded to R. C. Ballinger Co., 925 Walnut street, Philadelphia.

New Jersey Construction News

School, Pensauken, N. J. Architect, I. T. Catherine, Franklin Trust Building, Philadelphia. Owners, School Board of Delair Township, Delair, N. J. Stone, brick, 2 stories and basement. Plans in progress.

School, Carney's Point, N. J. Architect, Charles R. Peddle, 149 South Fourth street, Philadelphia. Owners, School Board of Carney's Point, Carney's Point, N. J. Brick and concrete, 2 stories. Plans in progress.

Residence and Garage, Margate City, N. J. Architect, C. H. Adams, Chelsea Bank Building, Atlantic City, N. J. Owner, name withheld. Brick, frame, 2 stories, 26x40 feet, 12x20 feet, slate roof, hardwood and concrete floors, tile work, hot water heat, electric light. Plans in progress.

Store (add.), Kentucky and Atlantic avenues, Atlantic City, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owners, Kensington Carpet Co., on premises. Steel, brick, 6 stories, 21x100 feet, slag roof, cement and wood floors, elevators, plate glass, steel sash, metal lath, electric work. Plans in progress.

Theatre, Boardwalk, Missouri avenue, Atlantic City, N. J. Architects, Hoffman-Henon, Inc., Finance Building, Philadelphia. Owners, Stanley Company of America, 1916 Race street, Philadelphia. Brick, steel, terra cotta, slag roof, cement floors, hollow tile, waterproofing and dampproofing, architectural terra cotta, fire doors, tile and marble work, metal lath, electric light. Plans completed. Architects taking sub-bids due June 24th.

Grade School (2), Pitman, N. J. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Board of Education, Pitman, N. J. All bids rejected. Will readvertise for bids.

Stores (3), Apartments (2), West Collingswood, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owners, Hechter Realty Co., 1542 Wildwood street, Camden, N. J. Brick, cinder block, 2 stories, 34x62 feet, slag roof, pine floors, hot water heat, electric light, plate glass. Owners will build.

Residences (2), Atlantic City, N. J. Architect, D. A. Rosenstein, Humphrey Building, Atlantic City. Owner, Joseph Dolinsky, Atlantic City, N. J. Frame and hollow tile, 2 stories, 18 feet 3 inches x 46 feet, asphalt shingle roof, hardwood floors, hot water heat, electric light, tile work. Owner will build.

Gymnasium, Lakewood, N. J. Architect, R. H. Dana, Jr., 350 Madison avenue, New York City. Owners, Newman School, Lakewood, N. J. Brick, stucco, steel, 1 story, 222x75 feet, Vermont slate and slag roof, cement and maple floors, terra cotta, plumbing, waterproofing and dampproofing, ornamental iron work, iron stairs, bond, hollow metal doors, hollow metal skylights, rolled steel sash, tile and marble work, metal lath, steam heat, electric light, cast cement coping, steel casement sash, artificial stone, wrought iron pipe. Architect taking bids due June 23rd.

Cottage (alts.), Skillmann, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, New Jersey State Village of Epileptics, Skillmann, N. J. General alterations, slate roof, plastering. Architects taking bids due June 23rd.

School (add.), (2), Watsontown, N. J., and Clementon, N. J. Architect, Thomas Stephen, 312 Temple Building, Camden, N. J. Owners, Board of Education, G. E. Mayberry, Dist. Clk. Clementon, N. J. Reinf. concrete, brick, cast stone, cut stone, 2 stories and basement, 61x39 feet (plumbing, heating, electric work separate), slag and Chapman slate roof, maple, pine and cement floors, safety treads, roof ventilators, metal weather strips, metal lath, fire and kalamein doors, bond, floor hardener, ornamental iron work, cut stone, limestone. Certified check, 10 per cent. of bid. Clementon, N. J., School: 2 stories and basement, 61x39 feet. Separate bid on each school. Combined bid on both. Owners taking bids due June 22nd, 8 P. M.

Dormitory, Woodbine, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, Colony for Feeble Minded Men, Woodbine, N. J. Brick, concrete block and steel, 2 stories, 73x27 feet, 41x43 feet, slate roof, concrete floors, terrazzo work (heating, plumbing and electric work reserved). Architects taking bids due June 23rd.

Agricultural Building (alts.), New Brunswick, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, Agricultural College, New Brunswick, N. J. General alterations, slate roof, concrete floors, roof ventilators, iron stairs. Architects taking bids due June 19th.

Kitchen and Dining Room (add.), Woodbine, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, Colony for Feeble Minded Men, Woodbine, N. J. Brick, 1 story, 40x20 feet, slate roof, cement floors, electric light, refrigeration. Architects taking bids due June 23rd.

Superintendent's Cottage, Vineland, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, Old Soldiers' Home, Vineland, N. J. Brick, tile, 2½ stories, 28x38 feet, slate roof, hardwood floors, tile work (heating, plumbing reserved). Architects taking bids due June 19th.

Apartment Hotel, Indiana and Pacific ave-

nues, Atlantic City, N. J. Architects, T. B. Lippincott and C. H. Schaeff, 11 South Sixteenth street, Philadelphia. Owners, William Penn Apartments Corporation, care of architect. Brick, steel, concrete stone, terra cotta, 6 stories, 149x140 feet, slag roof, hardwood and compositoin floors, pine floors, macite partitions, incinerator, door bedators, steam heat, electric light, tile and marble work. M. B. Markland, Georgia avenue and Thorofare, Atlantic City, N. J., taking sub-bids.

Residences (2), 814-16 Beideman avenue, Camden, N. J., \$8,000. Architect, private plans. Owner, D. M. Sterner, Woodbury, N. J. Frame, 2 stories, 14x44 feet, slag roof, pine floors, hot air heat, electric light. Owner will build.

Bridges (2), Burlington County, N. J., Route 2, Section 8. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Bridge over Pompeston Creek, concrete, I beam span, 40 feet roadway. Bridge over Swedes Run, concrete, 15 feet slab span, 40 feet roadway. Owners taking bids due June 22nd at 11 A. M. (Standard Time). Deposit of \$10 (refunded). Certified check.

Road Work, New Jersey. Owners, State Highway Commission, Broad Street Bank Building, Trenton, A. J., A. Lee Grover, secretary. Route 2, Section 8, Bridgeboro to Pensauken, Burlington County, sheet asphalt pavement, 64,363 square yards. Route 4, Section 31, Tuckerton to New Bretna, Burlington and Ocean Counties, excavation, reinforced concrete pavement, gravel shoulders. Owners taking bids due June 22nd at 11 A. M. (Standard Time). Deposit of \$10, refunded. Certified check.

New Jersey Contracts Awarded

Grade School, Williamstown, N. J. Architects, Hill & Gollner, Broad Street Bank Building, Trenton, N. J. Owners, Board of Education of Williamstown, Theo. C. Dilkes, Williamstown, N. J. Brick, steel, 2 stories and basement, 116x78 feet, slate and slag roof, maple floors, hollow tile, safety treads, roof ventilators, iron stairs, fire doors, skylights, metal lath (heating, plumbing and electric work separate). Contract awarded to Fred Lange, Audubon, N. J., \$88,070. Plumbing, C. A. Voelker, Glassboro, N. J., \$2,940. Heating and ventilating, H. Knecht, West Collingswood, N. J., \$11,310. Electric, Fred Behm, West Collingswood, N. J., \$1,235.

High School, Lambertville, N. J., \$67,000. Architect, W. A. Klemann, First National Bank Building, Trenton. Owners, Lambertville School Board, Lambertville, N. J. Brick, steel, fireproof, 2 stories and basement, 60x80 feet, slate roof, pine floors (heating, plumbing and electric separate), hollow tile. Contract awarded to General Cont. & Const. Co., Trenton, N. J. Heating and ventilating, D. R. Richards, Richlandtown, Pa., \$11,700. Plumbing, W. G. Royer, Trenton, N. J., \$5,050. Electric, L. I. Biledeou, Frenchtown, N. J., \$4,135.

School, Park avenue, Woodbury, N. J. Architects, Hill & Gollner, Broad Street Bank Building, Trenton, N. J. Owners, School Board of Depford Township, Woodbury, N. J. Cement block, 1 story, 2 rooms, shingle roof, pine floors (heating, plumbing, electric separate). Contract awarded to George W. Shaner, Palmyra, N. J.

Show Room and Service Station, Atlantic City, N. J. Architect, C. H. Adams, Chelsea Bank Building, Atlantic City, N. J. Owners, W. J. Houpt Corp., 225 North New Hampshire avenue, Atlantic City. Brick, steel, 1 story, 167x190 feet, slag roof, concrete floors, steam

heat, electric light, rolled steel sash. Contract awarded to Charles Tilton, 4 South Virginia avenue, Atlantic City, N. J.

Junior High and Grade School (alts. and add.), Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, Atlantic City School Board, H. H. Young, Atlantic City, N. J. Contract awarded Lam Building Co., 1001 Wood street, Philadelphia, \$64,203.

Residence (alts. and add.), Riverton, N. J. Architect, J. Fletcher Street, 1220 Locust street, Philadelphia. Owner, Mrs. Charles Sears, Riverton, N. J. General renovation, plumbing, heating, carpentry and mill work, hardwood, painting and glazing. Contract awarded J. E. McVaugh, Riverton, N. J.

Residences (6), 3168-78 Westfield avenue, Camden, N. J., \$6,500 each. Architect, private plans. Owners, Hitchner & Todd, Fifth and Mickle streets, Camden, N. J. Brick, 2 stories, 20x36 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Wesley H. Bauck, Twenty-seventh and Cramer streets, Camden.

Residences (6), 3177-87 Rosedale avenue, Camden, N. J., \$25,000 total. Architect, private plans. Owners, Hitchner & Todd, Fifth and Mickle streets, Camden, N. J. Brick, 2 stories, 16x26 feet, slag roof, hardwood and pine floors, pipeless heating, electric lighting. Contract awarded to Wesley H. Bauck, Twenty-seventh and Cramer streets, Camden, N. J.

Residences (2), 1615-17 Warsaw street, Camden, N. J., \$5,000. Architect, private plans. Owners, John Ganski and Henry Schutlz, Camden, N. J. Brick, 2 stories, 16x34 feet, slag roof, pine floors, electric work. Contract awarded to Edw. Praiss, 1566 Mt. Ephraim avenue, Camden.

Residences (6), 18 to 30 Fenwick road, Camden, N. J., \$6,000 each. Architect, private

BUILDERS SUPPLIES

CAMDEN MATERIALS COMPANY

1345-51 PINE STREET
CAMDEN, N. J.

CEMENT
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plans. Owner, Peter Goudolf, Camden, N. J. Brick, 2 stories, 18x36 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Milton Corson, 814 Morgan street, Camden, N. J.

Residence, 860 Bergen avenue, Camden, N. J., \$4,500. Owner, Peter De Scioscio, care of builders. Brick, 2 stories, 14x43 feet, slag roof, hot air heat, electric work. Contract awarded to Davies Brothers, 901 North Thirty-first street, Camden, N. J.

Residence, 754 Sylvan street, Camden, N. J., \$5,000. Architect, private plans. Owner, Frank Schupacarter, Camden, N. J. Brick, 2 stories, 17x35 feet, slag roof, pine floors, hot air heat, electric light. Contract awarded to Milton Corson, 814 Morgan street, Camden, N. J.

Miscellaneous Construction News

High School and Nunnery, Madison, Wis. Architect, Albert Kelsey, Otis Building, Philadelphia. Owners, Sacred Heart Academy, Madison, Wis. Brick, limestone, terra cotta, 4 stories, 400xirreg., tower 200 feet high, steam heat, electric light, tile and marble work, elevators. Plans in progress.

Infirmiry Building, Dover, Delaware. Architect, E. C. May, Dupont Building, Wilmington, Del. Owners, Elizabeth W. Murphey School, Inc., Dover, Del. Fireproof, hollow tile, 1 story, 45x80 feet, tile roof, composition floors, hollow tile, ornamental iron work, tile and marble, metal lath, heating extension, electric light. Architect taking bids due June 19th.

Tuberculosis Hospital, Glen Falls, N. Y. Architects, Tooker & Marsh, 101 Park avenue, New York City. Owners, County of Warren, State of New York. Reinforced concrete, stucco, brick, steel, 3 stories and basement, 243x43 feet, wing 75x36 feet (plumbing, heating, electric, ventilation separate), variegated slate, tile, built-up roof, cement and limestone floors, metal lath, rolled steel skylights, kalamein doors, iron stairs, ornamental iron work, architectural terra cotta, dampproofing, roof ventilators, metal lumber, metal tile. Architects taking bids due June 26th.

Miscellaneous Contracts Awarded

Hospital, Dover, Del. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owners, Kent General Hospital, Dover, Del. Brick, reinforced concrete, cast stone, steel, 3 stories and basement, 40x135 feet, slag roof, cement and linoleum floors, elevators, plumbing, steam heat, electric light, metal lath, tile and marble work, rolled steel sash, ornamental iron work, metal partitions, dumb waiters. Contract awarded Bennett McLaughlin, 3260 Ludlow street, Philadelphia.

Buildings (6), Whiting, Indiana. Architect, private plans. Owners, Union Tank Car Co., 21 East Fortieth street, New York City. Brick, reinforced concrete steel, various sizes, slag roof, cement floors, rolled steel sash, ornamental iron work. Contract awarded Hughes-Foulkrod Co., Commonwealth Building, Philadelphia.

The man who doesn't advertise because he can't afford to "do it right" will never reach a position of affluence because everything worth while in the world had to have a beginning, and there can be no "get there" for the fellow who fails to make a start.

Proposal

Sealed and separate bids or proposals will be received by the Board of School Directors of the School District of the City of York, Pennsylvania, for the erection and completion of a Senior High School Building to be erected on the plot of ground lying at the northwest corner of West College Avenue and South Beaver Street, York, Pa. The proposals must be submitted separately for the—General construction of the building, Plumbing and Drainage, Electrical Work, and Heating and Ventilating—all in accordance with plans, drawings and specifications prepared by John B. Hamme, Registered Architect, York, Pa. A certified check equal to 5% or an acceptable Surety Company bond equal to 10% of the aggregate amount of the bid must accompany each proposal to guarantee acceptance of contract if awarded.

An acceptable Surety Company bond equal to the full amount of the contract will be required of the successful bidders.

Plans and specifications may be secured from David N. Crider, Secretary of the Board of Directors, in the Central School Building, corner of West King Street and Cherry Alley, York, Pa., upon application accompanied by a deposit of cash or certified check of \$100 for each set of the General Plans and Specifications, \$85 of which will be returned for each set when plans and specifications are returned to said office accompanied with bid. A deposit or certified check for \$50 must accompany applications for each set of the Plumbing and Drainage, Electrical Work, or Heating and Ventilating plans and specifications, \$35 of which will be returned for each set when plans and specifications are returned accompanied with a bid.

In case no bid is received the entire amount of the deposit or check will be forfeited.

On or about June 8th, 1925, plans and specifications will be delivered to persons making application in accordance with the above requirements. Plans and specifications will be on view in the office of John B. Hamme, Registered Architect, Citizens' Savings and Trust Building; in the office of M. O. Lewis, Superintendent of Building and Grounds, in the Central School Building, York, Pa., and at the Builders' Exchanges in Philadelphia, Pa., and Baltimore, Md.

The right is reserved to reject any and all bids.

All bids must be signed, sealed, properly marked with name of contract bid upon, and delivered to David N. Crider, Secretary, Central School Building, York, Pa., before noon of Monday, June 29, 1925.

EDWARD W. NEUMAN,

Chairman of the Committee on Buildings, Grounds and Fuel, of the Board of School Directors of the School District of the City of York, Pa.

TREASURY DEPARTMENT. Office of the Supervising Architect, Washington, D. C., June 10, 1925. Sealed Proposals will be opened in this office at 3 P. M., July 13, 1925, for the construction of a one-story brick-faced Post Office Building, approximately 76 by 44½ feet in size, at Walden, N. Y. Drawings and specifications may be obtained from the Custodian of the site at Walden, N. Y., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

ADVERTISEMENT FOR CONSTRUCTION OF HIGH SCHOOL BUILDING FOR THE BOARD OF EDUCATION OF AUDU- BON, CAMDEN COUNTY, NEW JERSEY.

Public notice is hereby given that sealed proposals for furnishing labor and materials to construct a High School Building, where shown on plot plan, on grounds situated on the west side of Edgewood Avenue, between Pine and Walnut Streets, Audubon, N. J., for the Board of Education of Audubon, N. J., will be received and opened by the Chairman of the Building Committee in School No. 1, Oak Street and Oakland Avenue, Audubon, N. J., on the 29th day of June, 1925, at 8 o'clock P. M. (Daylight time).

The work for which proposals are hereby invited covers the complete construction of the School Building, including Electric Work, Plumbing and Drainage, Heating and Ventilating, all ready for movable equipment.

Bids will be received for the work under four separate contracts as follows:

- 1st. For General Construction of the entire Building.
- 2nd. For Electrical Work.
- 3rd. For Plumbing and Drainage.
- 4th. For Heating and Ventilating.

Bids must be on blank forms provided for that purpose by the Architect, and must be enclosed in sealed envelopes endorsed "Proposal for High School Building at Audubon, N. J.," and must state the branch of work for which proposal is submitted.

No bid will be considered unless accompanied by a certified check to the order of the Board of Education, Audubon, N. J., or cash in the amount of five per cent. (5%) of the bid, and also a statement from a Surety Company that it will furnish the Contractor with a bond for the full amount of the contract, binding the bidder to execute a contract if awarded to him. The terms of the proposal with the surety required are fixed by the specifications.

Copies of the drawings and specifications may be seen at the Architect's office, and a limited number of copies of the same will be loaned by the Architect to prospective bidders on deposit with him of a certified check to the Architect's order, for the sum of \$50.00.

These copies of the drawings and specifications may be obtained by application to Arnold H. Moses, Architect, Temple Building, Camden, N. J.

If the copies of the drawings and specifications are returned to the Architect and an estimate submitted the check will be returned, otherwise the deposit may become forfeited.

ARNOLD H. MOSES, Architect.

June, 1925.

The other day a prominent local architect called up to inquire regarding a concern that has not advertised with us for two years. "I saw their ad. some years ago in the Guide," said the architect, "and am unable to recall just where they are located." We gave him the address and learned subsequently that as a result the firm bagged a big order. How many similar orders, from architects who wouldn't take the trouble to look them up, that same concern has missed in the course of the past two years it would interest us to know.

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Entered at the Philadelphia Post Office as Second-Class Matter

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June 24, 1925

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
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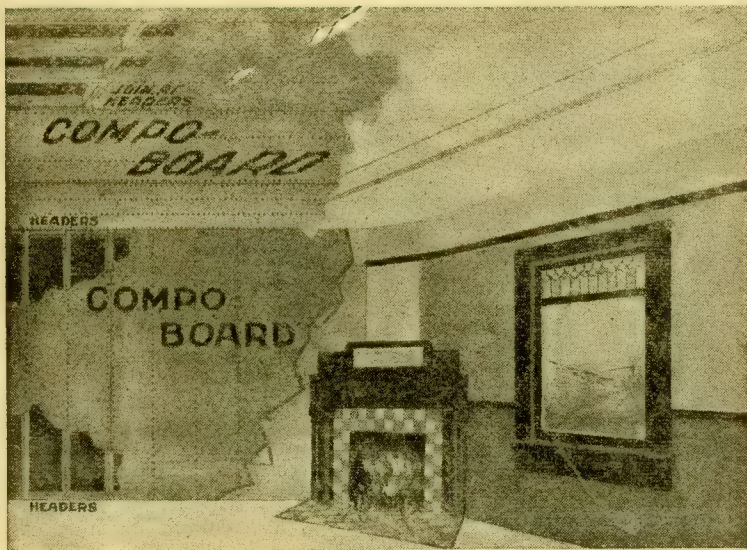
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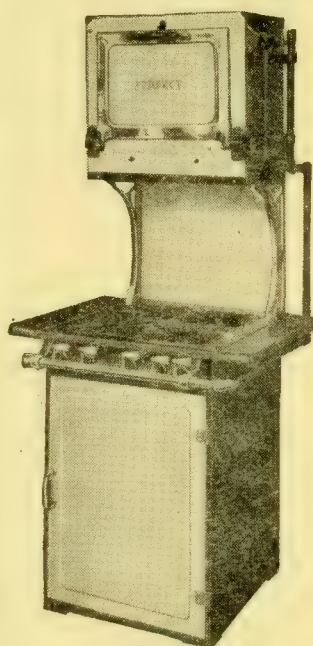
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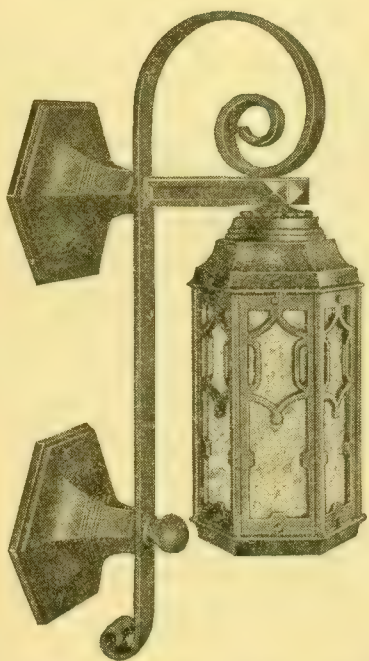
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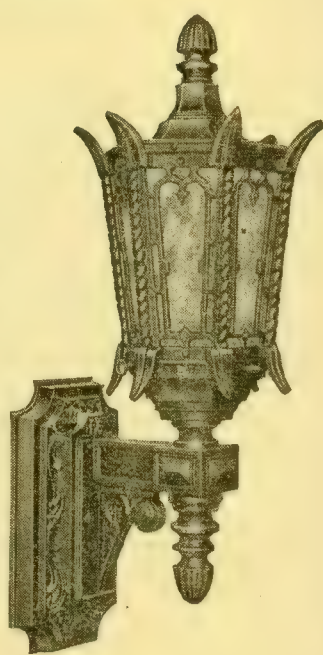
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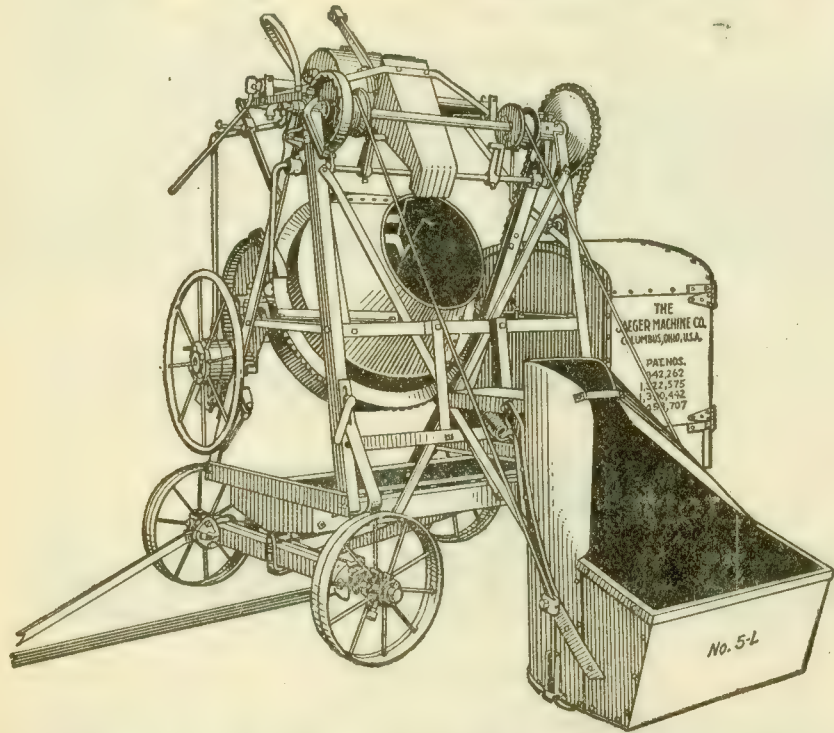
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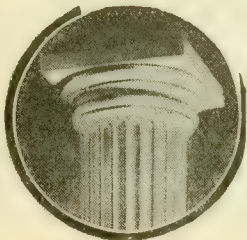
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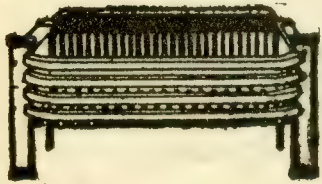
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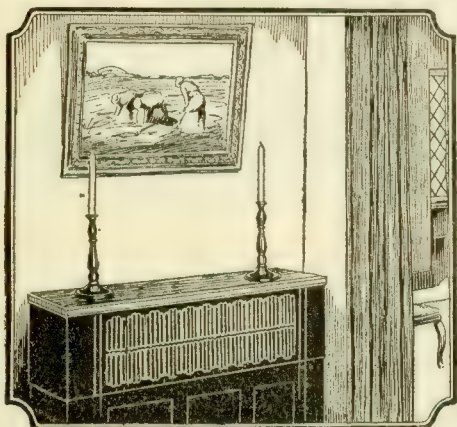
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VOLUME XL

Engineering and the Building Trades

PHILADELPHIA

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CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS;

CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Alteration and Addition, 4617 Springfield avenue, Philadelphia. Architects, Bender & Atkinson, 2723 South Seventy-first street, Philadelphia. Owner, Charles Graham, on premises. Brick, cut stone, Hoffman controlled heat, electric light, metal lath, tile work, slag roof, oak, composition floors, painting and glazing, bond, ornamental iron work, plumbing. Architects taking bids due June 24th.

Swimming Pool, Twenty-sixth and South streets, Philadelphia. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Department of Public Works, Bureau of Recreation, 595 City Hall. Plans completed. Will be ready for bids in about 10 days.

Swimming Pool, East Falls, Pa. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Bureau of Recreation, Department of Public Works, City Hall. Plans in progress.

Residences (7), East side Emlen street, North of Mt. Pleasant avenue, \$50,800. Architect, private plans. Owner, William Sher, 5030 North Tenth street, Philadelphia. Brick, 2 stories, (1) 19x67 feet, (6) 16x63 feet, hardwood and pine floors, hot water heat, electric light. Owner will build.

Supplies, Philadelphia. Purchasing agent, E. J. Lafferty, 329 City Hall, Philadelphia. Owners taking bids due July 1st, 11 A. M. Crushed pebbles, binder slag and binder stone, castings. Certified check 5 per cent. of bid.

Elementary Schools (2), Eighth and Parrish, Seventeenth and Christian streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Ready for bids in a few days.

Moving Picture Theatre, 1253 East Cheltenham avenue, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owner, H. B. Jamison, Real Estate Trust Building, Philadelphia. Sketches drawn. Work contemplated.

Theatre, Ogontz avenue, near Cheltenham avenue, Philadelphia. Architects, Hoffman-Henon Co., Finance Building, Philadelphia. Owners, Stanley Company of America, 1916 Race street, Philadelphia. Work contemplated. Sketches drawn.

Restaurant and Office Building, Northwest Corner Sixteenth and Chestnut streets, Philadelphia. Architect, Ralph C. Benckert, Bellevue Court Building, Philadelphia. Owners, Horn & Hardart, 214 South Tenth street, Philadelphia. Limestone, steel, concrete, 9 stories, pasement and sub-basement, 42x153 feet. Sketches drawn. Work contemplated.

Residence (alts.), 6820 Maurer street, Philadelphia. Architect, Harry Parker, 1120 Locust street, Philadelphia. Owner, Walter Foster, on premises. Stone, 2½ stories, slate roof, hardwood floors, electric light, tile work. Plans in progress.

Library, Nineteenth to Twentieth, Vine to Wood streets, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, City of Philadelphia, care of Librarian J. Ashhurst, Thirteenth and Locust streets. Revised plans in progress.

Hotel (add.), Eighth and Walnut streets, Philadelphia. Architect, W. L. Charr, Victory Building, Philadelphia. Owners, Walnut Hotel, care of architect. Revised plans in progress.

Residence and Garage, Chestnut avenue, Chestnut Hill, Pa., \$100,000. Architects, Dreher & Churchman, Otis Building, Philadelphia. Owner, Clement R. Wainwright,

Chestnut Hill, Pa. Stone, 2½ stories, 150x75 feet, outdoor swimming pool and bath house, slate roof, hardwood floors, concrete swimming pool, vapor heat, electric light, tile and marble work. Plans in progress.

Residences (3), Gates street, Roxborough, Philadelphia. Architects, Boyd, Abel & Guggert, Otis Building, Philadelphia. Owner, H. C. Pedley, Corn Exchange Building, Philadelphia. Stone, hollow tile and stucco, brick, 2½ stories, 22x40 feet, slate or shingle roof, oak and pine floors, hot water heat, electric light, tile work, ornamental iron work. Plans in progress.

Stores (7), **Factory Building**, Southeast Corner Eighth and Girard avenue, Philadelphia. Architects, Edwin H. Silverman and Abraham Levy, Elrae Building, Philadelphia. Owner, name withheld. Brick, 4 stories, 45x115 feet, 45x40 feet. Plans in progress.

Residence and Garage, Oak Lane, Philadelphia. Owner, name withheld. Architects, Edwin H. Silverman and Abraham Levy, Elrae Building, Philadelphia. Brick, stucco, 2½ stories, 36x54 feet, wood shingle roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Store and Apartments (2), Thirteenth and Catherine, Philadelphia. Architects, Edwin H. Silverman and Abraham Levy, Elrae Building, Philadelphia. Owner, H. Backman, care of architect. Brick, 3 stories, 18x46 feet. Plans completed.

Residence (alts.), Germantown, Philadelphia. Architect, Harry Parker, 1120 Locust street, Philadelphia. Owner, William Hamilton, care of architect. Preliminary plans in progress.

Truck Tire Service Station, 3450 Ludlow street, Philadelphia. Architect, Ellery K. Taylor, 1416 Chestnut street, Philadelphia.

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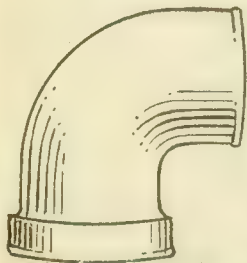
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Owner, Harold K. Schaff, care of architect. Excavation and stone work. Charles McCaul, 1713 Sansom street, Philadelphia, wants sub-bids on the above items.

Garage, 914 Sansom street, Philadelphia. Architects, J. M. Stetler and H. M. Deysher, Jefferson Building, Philadelphia. Owners, Irving Hotel, 917 Walnut street, Philadelphia. Brick, steel, 6 stories, 55x100 feet, slag roof, cement floors, ornamental iron work. Architects taking bids due June 26th at noon.

Stores (3) and Apartment, 609 South Twenty-first street, Philadelphia. Architects, Refuss & North, 1711 Sansom street, Philadelphia. Owner, Peter J. McGough, 615 South Twenty-first street, Philadelphia. Brick, 3 stories, 16x50 feet, general alterations. Architects taking bids due as soon as possible.

Building (alts. and add.), 107 South Tenth street, Philadelphia. Architects, Refuss & North, 1711 Sansom street, Philadelphia. Owner, Francis B. J. Branagan, 2441 North Broad street, Philadelphia. Terra cotta facing, slag roof, composition and terrazzo floors, cement work, plumbing, structural steel, stucco work, underpinning. Owner and architects taking bids due as soon as possible.

Twin Residence and Garage, York road and Broad street, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, Kenneth C. Meinken, on premises. Stucco and cinder block, 2 stories and basement, 42x18 feet, 1 story and garage, 20x10 feet, tin and slag roof, oak and cement floors, painting and glazing, plumbing, hot water heat, electric light, tile work, bond, ornamental iron work, stone work, brick work, hardware, galvanized iron pipe. Architect taking bids due June 25th.

New Stair Tower, Wissahickon and School lane, Germantown, Philadelphia. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owners, Hebrew Sheltering Home, on premises. Sheet metal doors, slag roof, plumbing, painting, stone work, brick work, iron work, concrete and cement work, plastering, bond. Architects taking bids due as soon as possible.

Alterations, 320 South Sixteenth street, Philadelphia. Architect, J. Christian Barth, 630 South Seventeenth street, Philadelphia. Owner, Dr. Russell Richardson, on premises. Heating alterations, lighting, brick work, carpentry and mill work, plastering, painting, steel work, plumbing. Architect taking bids due June 25th.

Church, Forty-eighth and Thompson streets, Philadelphia. Architect, private plans. Owners, Western Memorial Baptist Church, Rev. J. W. Brown, 1329 North Fifty-seventh street, Philadelphia. Stone, brick, cast stone, cut stone, steel, 1½ stories, asbestos shingle roof, pine floors, plumbing, painting and glazing, steam heat, electric light, metal lath, ornamental iron work, granite, wrought iron pipe,

salt glazed terra cotta coping. Owners taking bids due June 27th.

Residences (19), Cottman, Melrose and Wissinoming streets, Tacony. Architect, Lewis Lanfredi, 2228 Mifflin street, Philadelphia. Owner, Roornado & Manfredi, 2228 Mifflin street, Philadelphia. Brick, 2 stories, 15 feet 6 inches x 38 feet, slag roof, pine floors, hot air heat, electric light, hollow metal sky lights. Owners taking sub-bids at 2228 Mifflin street and 4740 Milnor street, Philadelphia.

Residence and Garage, Chestnut Hill, Pa. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owner, Jacob S. Disston, Chestnut Hill, Pa. Stone, 2½ stories, 35x85 feet, hot water heat, electric light, slate roof, hardwood floors, tile work. Plans in progress. Architect taking bids in two weeks.

Residences (66), 5900 Block, Colgate street, Lawndale, Philadelphia. Architect, private plans. Owner, Francis B. J. Brannigan, 2411 North Broad street, Philadelphia. Brick, 2 stories, 15x36 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Work contemplated. Owner will be ready for sub-bids upon completion of installation of water and sewage facilities.

Branch Bank, 1244 East Cheltenham avenue, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, Saving Fund Society, G. N. Woolston, Cheltenham and Wistar streets, Philadelphia. Brick, stone, 1 story. Plans drawn. Will be ready for bids in two weeks.

School and Auditorium, Orianna and Brown streets, Philadelphia. Architect, Peter F. Getz, Victory Building, Philadelphia. Owners, St. Agnes' Church, Rev. J. L. York, 319 Brown street, Philadelphia. Stone and brick, 2 stories, 57x102 feet, auditorium in basement's, doctors' and teachers' office, 12 rooms, slag roof, maple, pine and composition floors, iron and steel work, mill work, vapor heat, electric light. Architect will be ready for bids in three weeks.

Parochial School, 3340 Paul street, Philadelphia. Architect, H. G. Hammer, 1716 Spring Garden street, Philadelphia. Owners, Mater Dolorosa, Rev. Cosmos Bruni, on premises. Stone, 3 stories, 45x86 feet, slag roof, pine and cement floors, steam heat, electric light. Plans completed. Architect ready for sub-bids.

Rectory, Rhawn and Orchard streets, Frankford, Philadelphia. Architect, H. G. Hammer, 1716 Spring Garden street, Philadelphia. Owners, Mater Dolorosa, Rev. Cosmos Bruni, on premises. Stone, 3 stories, 34x40 feet, slate roof, hardwood and pine floors, steam, electric light, tile work. Plans completed. Architect ready for sub-bids.

Residences (48), Ruscomb and Albany streets, Philadelphia. Architects, Lehigh Engineering Co., Sixth and Lehigh avenue, Philadelphia. Owner, L. Cohen, Flanders Building, Philadelphia. Brick, 2 stories, 15x38 feet, hot water heat, electric light, metal lath, tile work, slag roof, hardwood floors, cement work, garages in basement. Owner taking sub-bids.

Stores (6), Apartment, Southeast Corner Seventeenth and Westmoreland avenue, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, J. Sharshik, Cheltenham Trust Building, Philadelphia. Brick, 3 stories, 30x60 feet, slag roof, hardwood floors, hot water heat, electric light, tile work,

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plumbing, carpentry and mill work. Plans in progress. Owner will take sub-bids.

Bridge, on line Tenth street, over Greenwich Branch Pennsylvania Railroad and Baltimore & Ohio Railroads. Architect, private plans. Owners, care of George H. Biles, Director, 216 City Hall, Philadelphia. Owners taking bids due June 25th, 11 A. M. (Standard Time). Certified check 5 per cent. of amount of bid. Inquire Room 416.

Supplies and Equipment, Philadelphia. Owners, Board of Education, W. Dicks, Nineteenth above Chestnut streets, Philadelphia. Owners taking bids due July 7th, 11 A. M. Lumber, piano, machine tables, lecterns, bookcases, etc.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Water, 216 City Hall. Owners taking bids due June 30th, 11 A. M. (Standard Time). Furnish and lay 24-inch, 16-inch and smaller C. I. water pipe; power equipment for Queen Lane Pumping Station; removing and relaying a 48-inch C. I. pipe line; furnish and lay 6-inch and 8-inch C. I. water pipe; furnish and lay 6-inch, 8-inch, 12-inch C. I. water pipe; repairs to chimney at Belmont Filters. Certified check 5 per cent. of amount of bids.

Building No. 133 (alts.), Philadelphia Navy Yard, Philadelphia. Owners, United States Government, Washington, D. C. Architects, Office of Commandant, Bureau of Yards and Docks and Ferries, Navy Yard. Low bidders: Major Co., Chicago, Ill., \$29,474; George H. Evans, 105 North Thirteenth street, Philadelphia, \$31,470.

Contract No. 21B, Delaware River Bridge. Owners, Delaware River Bridge Joint Commission, Widener Building, Philadelphia. Low bidders on roadway and footings: F. J. Boas, 201 North Broad street, Philadelphia, \$766,212; Acchione & Canuso, 804 South Twelfth street, Philadelphia, \$803,416.50.

Contract No. 22, Philadelphia Approach, Delaware River Bridge. Owners, Delaware River Bridge Joint Commission, Widener Building, Philadelphia. Low bidder on construction of plaza, Delaware River Bridge: Acchione & Canuso, 804 South Twelfth street, Philadelphia, \$930,314.33; Mazzola & Marano, 739 South Seventh street, Philadelphia, \$932,296.10.

Residences (28), Fifty-ninth and Fernwood avenue, Philadelphia, \$126,000. Architect, private plans. Owners, Cockerill, Faemores & Biffon, 5213 Chestnut street. Brick, 2 stories, (1) 16x50 feet, (27) 15 feet 10 inches x 40 feet, slag roof, hot water heat, electric light. Owners will build.

Residences (24), Fillmore, Tackawanna and Foulkrod streets, \$108,000. Architect, private plans. Owner, H. J. Gelsman, 332 East Roosevelt Boulevard, Philadelphia. Brick, 2 stories, (23) 15x37 feet, (1) 17x46 feet, slag

roof, pine floors, electric lighting. Owner will build.

Residence, Southeast Corner Midvale avenue and Henry street, \$20,000. Architect, private plans. Owner, John H. McClatchey, 848 Land Title Building, Philadelphia. Stone, 3 stories, 21x19 feet, 24x16 feet, slate roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (2), East side Houghton street, North of Rector street, \$10,800. Architect, private plans. Owner, John Regetto, 4375 Manayunk avenue, Philadelphia. Stone, brick, 2 stories, 16x19 feet, 20x14 feet, 16x15 feet, hot air heat, electric light. Owner will build.

Residence, South side Borbeck avenue, West of Horrocks street, \$4,500. Architect, private plans. Owner, Walter Young, 719 East Thompson street, Philadelphia. Brick, 2 stories, 16x38 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residence, South side Longshore street, West of Frontenac, \$4,000. Architect, private plans. Owner, William Clayton, 841 East Allegheny avenue, Philadelphia. Frame, 2 stories, 37x37 feet, hot water heat, electric light, pine floors. Owner will build.

Residences (2), East side Lawndale avenue, North of Levick street, \$4,000 each. Architect, private plans. Owner, Robert Rutherford, 1541 Cottman street, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residences (39), North side Calvert street, West of Second street, \$138,000. Architect, private plans. Owner, Otto Steinacker, Southwest Corner Fifth and Luzerne streets, Philadelphia. Brick, 2 stories, (1) 15x48 feet, (38) 14x43 feet, pine floors, hot water heat, electric light. Owner will build.

Residences (3), Rising Sun avenue and Helmerman street, Philadelphia, \$32,000. Architect, private plans. Owners, Suburban Realty Co., 6411 Rising Sun avenue, Philadelphia. Brick, (2) 2 stories, 16x30 feet, 13x30 feet, (1) 3 stories, 18x60 feet, hardwood and pine floors, hot water heating, electric lighting, tile work. Owners will build.

Store and Office (add.), Northeast Corner Sixty-eighth and Woodland avenue, \$5,000. Architect, private plans. Owner, A. Leibowitz, Bala, Pa. Brick, second story add., 80x48 feet, slag roof, pine floors, electric light. Owner will build.

Garage, 4313 Fairmount avenue, Philadelphia, \$4,000. Architect, private plans. Owner, J. L. Turnbo, 442 North Fiftieth street, Philadelphia. Brick, 1 story, 18x80 feet, slag roof, cement floors, electric lighting. Owner will build.

Garage, South side Tusculum street, East of A street, Philadelphia, \$3,000. Architect,

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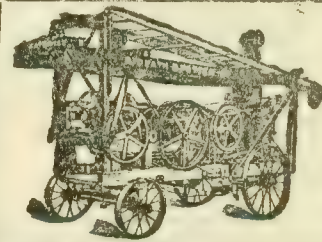
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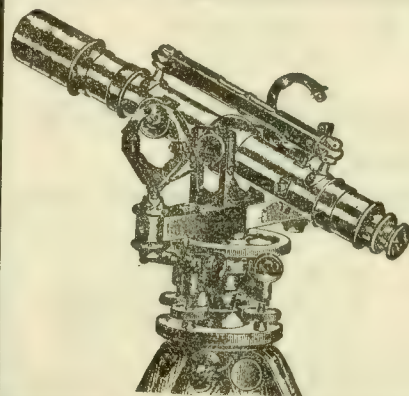
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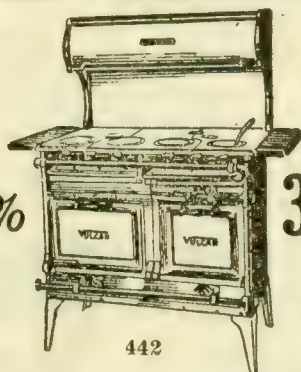
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private plans. Owner, F. Oelschlegel, 2914 North Fairhill street, Philadelphia. Iron, 1 story, 160x16 feet, cement floors, corrugated iron roof. Owner will build.

Residences (2), 3000-02 Tyson street, Philadelphia, \$5,000 each. Architect, private plans. Owner, R. W. Shultz, 7051 Vandyke street, Philadelphia. Brick, 2 stories, 16x38 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residences (30), Sanger street, West of Horrocks street, \$159,300. Architect, private plans. Owners, Smith, McGowan & Donnelly, 813 East Allegheny avenue, Philadelphia. Brick, 2 stories, (1) 16x45 feet, (29) 15x38 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Garage, 5311-17 Vine street, Philadelphia, \$35,000. Architect, private plans. Owner, Edward Holland, 5005 Sansom street, Philadelphia. Brick, 2 stories, 64x100 feet, slag roof, cement floors, electric light, steam heat. Owner will build.

Residences (54), Clearview street, South of Cliveden avenue, \$198,700. Architect, private plans. Owner, John S. Wurts, 267 East Johnson street, Philadelphia. Brick, 2 stories, (52) 15x36 feet, (2) 20x33 feet, hot water heat, electric light. Owner will build.

Garage, Southwest Corner Fifth and Butler streets, Philadelphia, \$18,000. Architect, private plans. Owners, Meyer & Mitchell, 4700 North Eighth street, Philadelphia. Brick, 1 story, 82x100 feet, slag roof, cement floors, electric light. Owners will build.

Manufacturing Building (add.), Southeast Corner H and Tioga streets, \$6,200. Architect, private plans. Owners, Field & Bale, 3364 Rand street, Philadelphia. Brick, second story add., 60x28 feet, slag roof, pine floors, electric light. Owners will build.

Residence and Store (alts.), 2010-12 Sansom street, Philadelphia, \$3,600. Architect, private plans. Owner, E. M. Canny, Sixty-first and Sansom streets, Philadelphia. General alterations. Owner will build.

Garage, East side Sixty-second, South of Haverford avenue, Philadelphia, \$3,600. Architect, private plans. Owners, Cave Ice Mfg.

Co., Robinson and Haverford avenue, Philadelphia. Brick, 1 story, 32x93 feet, slag roof, cement floors. Owners will build.

Garage, 6601 Limekiln Pike, Philadelphia, \$2,500. Architect, private plans. Owner, A. M. Lauer, 2048 Haines street, Philadelphia. Brick, 1 story, 22x23 feet, cement floors. Owner will build.

Residences (42), **Residences and Stores (5)**, Wyoming avenue, B and Loudon streets, Philadelphia, \$289,900. Owner, John J. Foley, 4652 North Fifth street, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, electric light. Owner will build.

Residences (16), South side Osage avenue, West of Forty-seventh street, \$131,000. Architect, private plans. Owner, Hugh C. Forbes, 5400 Diamond street, Philadelphia. Brick, 2 stories, (2) 16x52 feet, (14) 16x46 feet, slag roof, pine and hardwood floors, electric lighting. Owner will build.

Residences (4), South side County Line road, East of Bustleton avenue, \$5,000 each. Architect, private plans. Owner, Robert M. Platt, Somerton street, Bustleton, Philadelphia. Frame, 2 stories, 16x42 feet, shingle roof, pine floors, electric lighting. Owner will build.

Residence, South side Chelwynde avenue, East of Seventy-seventh street, \$3,800. Architect, private plans. Owner, John J. Harley, 2611 South Seventy-fifth street, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, pine floors, hot air heat, electric light. Owner will build.

Residence, West side Cowden street, South of Murray street, \$2,500. Architect, private plans. Owner, C. Fullmer, 2128 Grant avenue, Philadelphia. Frame, 1 story, 22x34 feet, shingle roof, pine floors, electric lighting. Owner will build.

Garage, Southeast Corner Fifty-third and Chester avenue, Philadelphia, \$2,100. Architect, private plans. Owner, Robert Baile, on premises. Brick, 1 story, 21 feet 3 inches x 20 feet 4 inches, slag roof, cement floors, electric lighting. Owner will build.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence, South side Walnut Lane, West of Houghton street, \$15,000. Owner, Dr. Julius Propper, Baker and Green lane, Phila-

delphia. Stone and brick, 2 stories, 26x39 feet, 1 story, 26x10 feet, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Max Meitner, 351 Green lane, Philadelphia.

Residences (alts. and add.), 5222 Chestnut street, Philadelphia, \$13,000. Architect, private plans. Owner, A. J. Gluckman, 544 South Forty-fifth street, Philadelphia. Brick, 2 stories add., 13x18 feet, general alterations. Contract awarded to Zarch & Fisher, 523 Real Estate Trust Building.

Residences (2) (add.), 1511-13 Point Breeze avenue, \$6,000. Architect, private plans. Owner, Isaac Sidewater, 2516 South Seventy-second street, Philadelphia. Brick, 2 stories, 10x11 feet. Contract awarded to Joseph Sidewater, 2516 South Seventy-second street, Philadelphia.

Store and Storage (add.), 1627 Ranstead street, Philadelphia, \$4,000. Architects, Haitt & Martin, Bankers' Trust Building, Philadelphia. Owner, Willis Winchester, 25 South Eighteenth street, Philadelphia. Brick, 2 stories, 12 feet 6 inches x 20 feet, slag roof, pine floors. Contract awarded to A. G. Warren Co., 1525 Cherry street, Philadelphia.

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*Here are a few extracts from letters which show the approval of
Heating Contractors and Engineers*

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"I think you have gone into the subject of ratings exhaustively and believe the result of this fine work will be to eliminate the general confusion which has existed lately in regard to the ratings of heating boilers."

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"For years I have thought and talked about a sensible way of rating heating boilers, but at last we have got just what we want in your book."

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"The information given in this new catalogue on your Novelty Boilers is just the kind of information that any heating engineer needs. We feel that it would be much better for all manu-

facturers to get their boilers down to this method of rating."

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"I believe it is the best pamphlet that has ever been brought to my attention."

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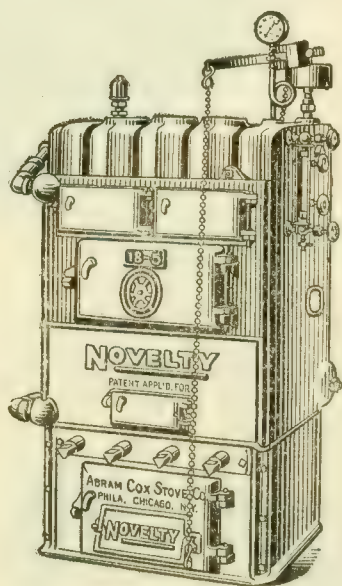
"I want to congratulate you on the very clear, concise and comprehensive way in which you have explained the capacities of the various sizes of your boilers. This information will appeal to every practical heating man using boilers. You have blazed a trail for many to follow."

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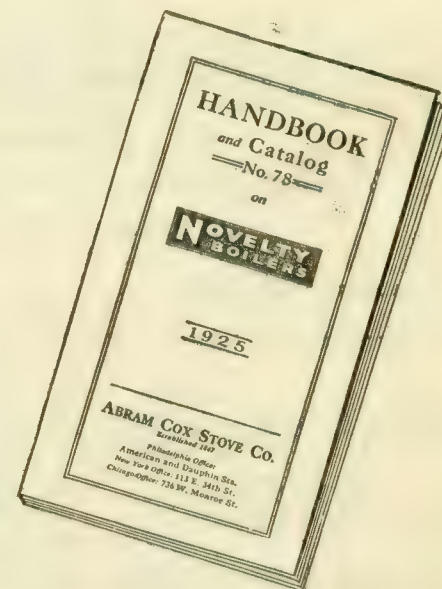
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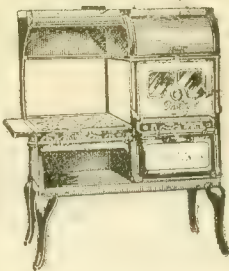
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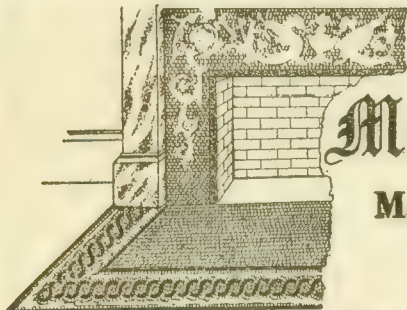
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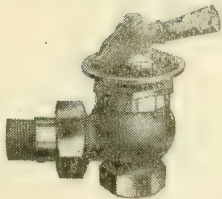
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Garage, 3622 Pearl street, Philadelphia, \$3,500. Architect, private plans. Owner, Mrs. Thomas Scattergood, 3515 Powelton avenue, Philadelphia. Brick, 1 story add., 24x56 feet, slag roof, electric work. Contract awarded to George L. Harnley, 132 North Sixty-first street, Philadelphia.

Residence (alts.), 1731 Pine street, Philadelphia, \$2,200. Architect, private plans. Owner, Dr. Teuser, on premises. General alterations. Contract awarded to A. Raymond Raff Co., 1635 Thompson street.

Dye House, 1213 Belmont avenue (rear), Philadelphia, \$3,500. Architect, private plans. Owners, West Park Dye Works, on premises. Brick, 2 stories, 16x53 feet, electric light, slag roof. Contract awarded to George L. Harnley, 132 North Sixty-first street, Philadelphia.

Residence (alts.), 205 Fairmount avenue, Philadelphia, \$2,800. Architect, private plans. Owners, Morris Kraftson, 1806 North Franklin street, Philadelphia. General alterations. Contract awarded to A. Walcian, 1527 Ridge avenue, Philadelphia.

Residence and Garage, Clearview and Sedgwick, Germantown, Pa. Architects, Druckenmiller & Williams, 1537 Chestnut street, Philadelphia. Owner, E. J. Dorwarth, on premises. Stone, cut stone, brick, 2½ stories and 1 story, 40x25 feet, garage 20x16 feet, tile and variegated slate roof, oak, pine and cement floors, plumbing, dampproofing, ornamental iron work, floor hardener, bond, tile and marble work, wrought iron pipe. Contract awarded W. J. Gruhler, 219 High street, Philadelphia.

Building, 1208 Arch street, Philadelphia. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owner, H. D. Reese, on premises. Reinforced concrete, steel, brick, 4 stories and basement, 173x24 feet (elevators, heating, electric reserved), slag roof, cement floors, metal lath, tile work, plumbing, hollow metal sash and doors, wrought iron. Contract awarded Armstrong & Latta, 1926 Sansom street, Philadelphia.

Residence, Kenilworth avenue, Wood, Seventh and Oak Lane, Philadelphia. Architect, Thalheimer & Weitz, 10 S. 18th street, Phila. Owner, Alex. Van Straten, on premises. Brick, stone, 2½ stories, 50x30 feet, oak and pine floors, ornamental iron work. The following items are reserved: Gas range, refrigerators, lighting fixtures, plumbing, vapor heating, oil-burning, electric work, steel sash, wall papering, shingle roofing, rubber tile floors, Craftex finish, tile and marble work. Contract awarded I. Demarest, 1935 Stenton avenue, Philadelphia.

Residence and Garage, private lane, North of Allen lane, West of Emlen street, Philadelphia, Chestnut Hill, Philadelphia. Architect, Robert Rodes McGoodwin, 1600 Walnut street, Philadelphia. Owner, Dr. George Woodward, Mt. Airy, Philadelphia. Stone. Contract awarded J. E. Walt, 204 East Willow Grove avenue, Philadelphia. Note change in owner on A. E. Hunter Residence.

Residences (8), Sixty-sixth and Fairhill streets, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owners, Sanders & Deyshel, Fifth and Olney avenue, Philadelphia. Brick, 2 stories, 16x42 feet, hot water heat, electric light, metal lath, tile work, slag, slate and tile roof, hardwood and cement floors, garages in basement. Contract awarded A. Earl Barnes, 2044 East Clementine street, Philadelphia.

Store and Apartment (alts. and add.), 314 South Fifty-second street, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, Dr. Chandler, care of architect. Stone, brick, steel, iron work, carpentry and mill work, slag roof, bond, hardware, plastering, painting and plumbing, electric work. Contract awarded C. H. Booker, 2257 North Ueber street, Philadelphia.

Moving Picture Theatre, Thirty-first and

Wharton streets, Philadelphia. Architect, W. L. Charr, Victory Building, Philadelphia. Owner, S. Balin, 313 South street, Philadelphia. Brick, 1 story, 50x180 feet, slag roof, concrete floors, steam heat, electric light, metal lath, tile and marble work, hollow metal sash, kalamien bond, roof ventilators, metal weather strip. Contract awarded I. Landau, 1806 North Seventh street, Philadelphia.

Garage, 512 North Sixty-second street, Philadelphia, \$15,000. Architect, private plans. Owner, E. Keysworth, 6201 West Girard avenue, Philadelphia. Brick, 2 stories, 50x65 feet, steam heat, electric light, slag roof, cement floors. Contract awarded J. H. Hutt, 5919 Spruce street, Philadelphia.

Department Store, 3 sections, Philadelphia, \$10,000,000. Architects, Graham, Anderson, Probst and White, Canal and Washington, Chicago. Owners, Gimbel Brothers, Eighth and Market streets, Philadelphia. Brick, limestone, steel, 12 stories, basement and sub-basement, slag roof, cement floors, elevators, steam heat, electric light, metal lath, tile and marble work, metal bulks, fire doors. Three sections: Ludlow to Chestnut, Ninth to 813 Chestnut; 813 Chestnut to Eighth street, Chestnut to Ranstead, Eighth to Ninth street, Market to Ranstead street. Contract awarded to Thompson Starrett, Packard Building, Philadelphia.

School, Fifth and Spencer, Philadelphia. Architect, Paul A. Monaghan, 1713 Sansom street, Philadelphia. Owners, St. Helena's Roman Catholic Church, Rev. J. McCloy, on premises. Stone, reinforced concrete, cut stone, brick, steel, 3 stories and basement, 62x103 feet, composition roof, pine and cement floors, hollow tile, roof ventilators, metal window guards, pine and cement floors, hollow tile, electric light, metal lath, bond, ornamental iron work, granite and limestone. Contract awarded D. W. O'Dea, 420 Duncan-non street, Philadelphia.

Parochial School (alts.), Twenty-ninth and Dickinson, Philadelphia. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owners, St. Gabriel's Roman Catholic Church, Rev. J. P. Mealey, on premises. Hardware, painting and glazing, plastering, carpentry and mill work, bond, electric work. Contract awarded to Rolfe B. Mitchell, 1922 Sansom street, Philadelphia.

Store and Apartment, 617 Bainbridge street, Philadelphia. Architect, George I. Lovatt, 223 South Sydenham street, Philadelphia. Owner, I. Blumstein, on premises. Brick, 2 stories, 129x62 feet, hardwood floors, electric light, metal bulks, plate glass. Contract awarded to Alex. Luckey, Thirty-fourth and Haverford avenue, Philadelphia.

Residences (68), North and South sides Bridge street, West of Summerdale street, \$275,000. Architect, private plans. Owner, Edward F. McPeak, 2024 Frankford avenue, Philadelphia. Brick, 2 stories, (2) 16x42 feet, (66) 14x35 feet, hot water heat, electric light, slag roof, pine floors. Contract awarded to Joseph P. McDevitt, 1001 Pratt street, Philadelphia.

Store and Residence (alts. and add.), 229-31 South Ninth street, \$15,000. Architect, private plans. Owner, H. Bruner, on premises. Brick, 3 stories add., 15x2 feet, general alterations. Contract awarded to S. Shestack, 4729 North Ninth street, Philadelphia.

Store and Residence (add. and alts.), 1633 Oxford street, Philadelphia, \$10,000. Architect, private plans. Owner, Louis Liedman, on premises. Brick, 3 stories add., 18x33 feet, general alterations. Contract awarded to D. Wittenberg, 1519 North Thirty-third street, Philadelphia.

Residence, South side Hofnagle street, West of Ferndale street, \$4,500. Architect, private plans. Owner, Joseph Russell, 1827 East Lip-pincott street, Philadelphia. Frame, 2 sto-

ries, 24x36 feet, shingle roof, pine floors, hot water heat, electric light. Contract awarded to John Hathaway & Son, 2806 Frankford avenue.

Garage, Southeast Corner Twenty-first and Sixty-fifth avenue, Philadelphia, \$3,600. Architect, private plans. Owner, A. J. Westermann, on premises. Stone, 1 story, 41x20 feet, cement floors, electric work. Contract awarded to C. Bonitattibus, 301 West Mount Pleasant avenue.

Residence and Store (add. and alts.), 2648 East Indiana avenue, \$3,000. Architect, private plans. Owner, A. Stankiewicz, 2715 East Indiana avenue, Philadelphia. Brick, 2 stories, 11x12 feet, general alterations. Contract awarded to Herr Building and Cement Co., 3013 Richmond street.

Store and Storage (add.), 2848 West Lehigh avenue, Philadelphia, \$3,000. Architect, private plans. Owner, B. Max, on premises. Brick, 2 stories add., 17x16 feet, slag roof, electric work. Contract awarded to I. K. Winkor, 210 Carpenter street, Philadelphia.

Storage Building, Northeast Corner Front and Olney avenue, Philadelphia, \$9,000. Architect, private plans. Owners, Heintz Mfg. Co., on premises. Iron, 1 story, 21 feet 6 inches x 118 feet, concrete floors. Contract awarded to W. F. Newberry Co., Otis Building, Philadelphia.

Store and Residence (alts. and add.), 435-37 South Sixtieth street, \$8,000. Architect, private plans. Owner, I. Moscovitz, 5923 Larchwood avenue, Philadelphia. Brick, 1 story add., 17x20 feet, general alterations. Contract awarded to Samuel H. Zarch, 125 South Fifty-fourth street, Philadelphia.

Residence (alts. and add.), 632 Pine street, Philadelphia, \$5,000. Architect, private plans. Owner, Joseph Apohmgo, 1624 South Nineteenth street, Philadelphia. Brick, 3 stories add., 15x15 feet, 1 story add., 15x7 feet, general alterations. Contract awarded to P. A. Camposa, 1244 South Nineteenth street, Philadelphia.

Store (alts.), 4328 Main street, Philadelphia, \$3,000. Architect, private plans. Owner, Ella Noska, 4542 Ritchie street, Philadelphia. General alterations. Contract awarded to J. Walters, 1325 Girard avenue, Philadelphia.

Garage, 1849 East Venango street, Philadelphia, \$4,200. Architect, private plans. Owner, George F. Nuss, 1845 East Venango street, Philadelphia. Brick, 1 story, irregular shape, slag roof, pine floors. Contract awarded to Edward Morrow, 4693 Castor road, Philadelphia.

Bank (alts.), 4416 Germantown avenue, Philadelphia, \$5,000. Owners, United Security & Trust Co., on premises. General alterations. Contract awarded to F. L. Hoover & Son, 1023 Cherry street, Philadelphia.

Store and Residence (repairs), 2853 North Twenty-second street, \$5,250. Architect, private plans. Owner, A. Lukoff, Twenty-fifth and Somerset streets, Philadelphia. Repairing fire damage. Contract awarded to Stewart Brothers Co., 2526 North Orkney street.

Office (alts. and add.), 1630 Ludlow street, Philadelphia, \$4,400. Architect, private plans. Owner, Edward Reid, on premises. Brick, 1 story, 2x14 feet, 2 stories, 14x14 feet, general alterations. Contract awarded to J. H. Hutt, 5919 Spruce street, Philadelphia.

Garage, 7142 Germantown avenue, Philadelphia, \$2,400. Architect, private plans. Owner, Max Rothe, 7142 Germantown avenue, Philadelphia. Brick, 1 story, 20x60 feet, slag roof, cement floors. Contract awarded to M. H. Grebe, 5 East Highland avenue, Philadelphia.

Garage, 619 West Hortter street, Philadelphia, \$2,000. Architect, private plans. Owner, Edward Davis, on premises. Stone, 1 story, 20x26 feet, cement floors, electric light-

ing. Contract awarded to Stewart Brothers Co., 2526 North Orkney street.

Store (alts.), Northwest Corner Tenth and Market streets, Philadelphia, \$3,000. Architect, private plans. Owners, T. Miller Co., New York City. General alterations. Contract awarded to Smith-Hardican Co., 1809 Callowhill street.

Bank, 4340 Main street, Philadelphia, \$2,700. Owners, Manayunk Trust Co., on premises. General alterations. Contract awarded to E. L. Cuthbertson, 334 Roxborough avenue.

Store (alts.), 1107 Chestnut street, Philadelphia, \$2,500. Architect, private plans. Owners, Stephen Girard Estate, Lafayette Building, Philadelphia. General alterations. Contract awarded to Renna Brothers & Co., 402 East Twenty-first street, New York.

Store and Residence (add.), 1243 South street, Philadelphia, \$2,200. Architect, private plans. Owner, Nathan Fisher, on premises. Brick, 1 story add., 12x13 feet, slag roof, pine floors. Contract awarded to L. Rubin, 421 Jackson street, Philadelphia.

Store (alts.), 1322 Chestnut street, Philadelphia, \$2,000. Architect, private plans. Owner, Max Dann, on premises. General alterations, carpentry, mill work. Contract awarded to Geo. Weiss Co., 701 East Girard avenue, Philadelphia.

Bake Shop, 2811 Decatur street, Philadelphia, \$2,700. Architect, private plans. Owner, M. De Palma, on premises. Brick, 1 story, 15 feet 10 inches x 40 feet, 7x13 feet. Contract awarded to Otto Malz & Son, 2002 North Fourth street, Philadelphia.

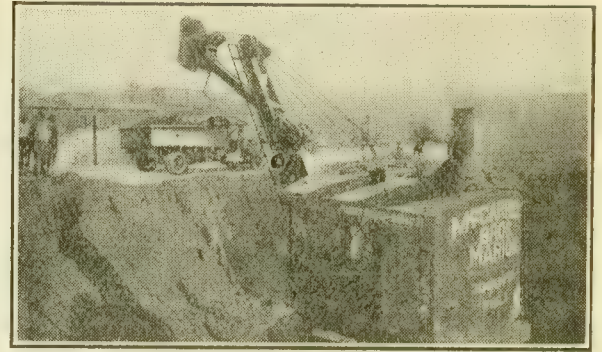
Store and Residence (alts. and add.), 1129 East Passyunk avenue, \$3,000. Architect, private plans. Owner, A. Lucero, 1133 East Passyunk avenue, Philadelphia. Brick, 2 stories, 15x15 feet, slag roof, general alterations. Contract awarded to V. Mangianelli, 1646 South Sixteenth street, Philadelphia.

Garage, Southwest Corner Sixty-first and Pine streets, Philadelphia, \$2,600. Architect, private plans. Owner, Mrs. Roebuck, 400 South Sixty-first street, Philadelphia. Brick, 1 story, 40x18 feet, cement floors, electric light. Contract awarded to Edward Holland, 5005 Sansom street, Philadelphia.

Building (add.), 827 Arch street, Philadelphia, \$2,500. Architect, private plans. Owners, Cantor Brothers, 1214 Arch street, Philadelphia. Brick, 1 story add., 16x40 feet, slag roof, pine floors. Contract awarded to James

A. Quinn, 5531 Lancaster avenue, Philadelphia.

Residence and Store (alts.), Northeast Cor-

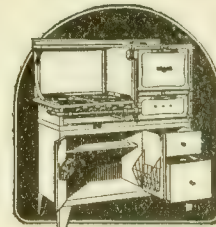


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ner Sixty-first and Spruce streets, \$2,000. Architect, private plans. Owner, L. Rubin, 5512 Woodland avenue, Philadelphia. General alterations. Contract awarded to D. Rosenberg, 2510 South Eighth street, Philadelphia.

Residence, West side Bingham street, South of Bieigh street, \$6,500. Architect, private plans. Owner, Charles H. Hibbs, 7408 Montour street, Philadelphia. Brick and frame, 2 stories, 20x48 feet, hardwood and pine floors. hot water heat, electric light. Contract awarded to Thomas E. Lampman, 7408 Montour street, Philadelphia.

Residence, North side Glenview street, West of Godfrey avenue, \$5,500. Architect, private plans. Owner, Joseph Bahman, Jr., 2432 East Indiana avenue, Philadelphia. Frame, 2 stories, 24x42 feet, shingle roof, pine floors, hot water heat, electric light. Contract awarded to Ernest Gert, 6636 Glenlock street, Philadelphia.

The impractical dreamers are not the architects, but the clients themselves, as a rule.

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PENNSYLVANIA

Construction News

Residence, Bethlehem, Pa. Architects, H. Rex Stackhouse and W. W. Donohue, 1120 Locust street, Philadelphia. Owner, name withheld. Brick, cast stone, 2½ stories, hot water heat, electric light, tile work, slate roof, hardwood floors. Plans in progress.

Cottages (2), Laurelton, Pa. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owners, Laurelton State Village for Feeble Minded, Laurelton, Pa. Stone, reinforced concrete, 2½ stories, 100x84 feet, capacity 105 patients each, slate roof, cement floors, steam heat, electric work. Plans in progress. Architect taking bids in two weeks.

Residence and Garage, Tyrone, Pa. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owner, J. K. Johnson, Tyrone, Pa. Stone, 2½ stories, 30x68 feet, 20x30 feet, slate roof, hardwood floors, indirect steam heat, electric light, tile work. Plans in progress. Architect taking bids in two weeks.

Residence and Garage, Berwind road, Wynnewood, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, E. L. Blabon, 2nd, Twenty-first and Hunting Park avenue, Philadelphia. Revised plans in progress.

Church and Sunday School, Perkasio, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Evangelical Church, Rev. J. F. White, Perkasio, Pa. Brick, 1 story and gallery. Preliminary plans in progress.

Bank Building, Lewistown, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Lewistown National Bank, W. C. Walls, Lewistown, Pa. Stone, 1 story, 40x75 feet. Sketches drawn.

Residence (alts.), Spring avenue, Elkins Park, Pa. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owner, John C. Sinberg, 1218 Chestnut street, Philadelphia. Plans in progress.

Shop Buildings (2), Elizabethtown, Pa. Architect, Edgar A. Wightman, Bankers' Trust Building, Philadelphia. Owner, Thomas Rankin Patton Memorial, Elizabethtown, Pa. Brick, 1 story, 43x210 feet each, composition roof, cement and wood block floors, electric light, steel trusses and sash. Preliminary plans in progress. Ready for bids in about 3 weeks.

Residence, Drexel Hill, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, name withheld. Frame and stucco, 2½ stories, 26x40 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Residence and Garage, Elkins Park, Pa. Architects, Edwin H. Silverman and Abraham Levy, Elrae Building, Philadelphia. Owner, name withheld. Stone, 2½ stories, 38x56 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Stable (1) and Wagon Sheds (2), Harrisburg, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owners, City of Harrisburg, care of Dr. Hassler, Harrisburg, Pa. Fireproof, 2 and 1 stories, 30x60 feet, 176x20 feet, 128x20 feet, slate roof, concrete floors, electric light, rolled steel sash, fire doors. Plans in progress.

Residence and Garage, Merion, Pa. Architect, C. H. Fries, Drexel Building, Philadelphia. Owner, Ethel M. Evans, 1118 Marlyn road, Merion, Pa. Hollow tile, stucco, 2½ stories, 30x60 feet. Preliminary plans in progress. Too early for details.

Memorial Building, Glenside, Pa. Archi-

tecs, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owners, War Memorial Association, Glenside, Pa. Brick, 1 and 2 stories, 105x80 feet, hot water heat, electric light, slate roof, oak floors. Plans in progress. Ready for bids in one week.

Church, Seventeenth and Market streets, Harrisburg, Pa. Architect, J. A. Dempwolf, Centre Square, York, Pa. Owners, Memorial Lutheran Church, Dr. Lewis Menges, Harrisburg. Granite, steel, 1 story and basement, 82x122 feet, slate roof, maple and tile floors. Revised plans in progress. Architect will be ready for bids about July 15th.

Church and Parish House, Red Lion, Pa. Architects, Gemmill & Billmeyer, Rosenmiller Building, York, Pa. Owners, United Brethren Church, Red Lion, Pa. Brick, stone, 1 and 2 stories, slate roof, maple floors, electric light. Preliminary plans in progress.

Residence, York, Pa. Architects, Whitman & Royer, 47 East Market street, York, Pa. Owner, W. P. Gillatin, York, Pa. Brick or stone and stucco, 2½ stories. Preliminary plans in progress.

Superintendent's Cottage, Laurelton, Pa. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owners, Laurelton State for Feeble Minded, Laurelton, Pa. Local stone, 2½ stories, 38x60 feet, slate roof, hardwood floors, steam heat, electric light, tile work. Plans in progress. Ready for bids in two weeks.

Cottage, Mt. Penn, Reading, Pa. Architect, Calvin J. Young, 226 North Sixth street, Reading, Pa. Owner, Wilson Kline, Reading, Pa. Frame, stucco, 1½ stories, 32x42 feet, asbestos shingle roof, pine floors, hot air heat, electric light. Owner will build.

Grade School (add.), Reading, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owners, Reading School District, O. B. Heim, secretary, Reading, Pa. Fireproof, 2 stories and basement, 75x50 feet, 50x100 feet, built-up roof, hollow tile, safety treads, roof ventilators, waterproofing and dampproofing, ornamental iron, iron stairs, kalamein doors, skylights, tile and marble (heating, plumbing and electric separate. Owners will be ready for bids about the middle of July.

Stores and Residence (3), Packer avenue and Woodlawn avenue, Collingdale, Pa. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Owner, S. Willig, 1113 Franklin Trust Building, Philadelphia. Brick, 2 stories, (1) 20x45 feet, (2) 16x45 feet, hot water heat, electric light, tile work, slag roof, hardwood floors, metal ceilings. Owner taking sub-bids.

Apartment (over garage), Glenside, Berks County, Pa. Architect, C. J. Young, 226 North Sixth street, Reading, Pa. Owner, A. Angelo, Glenside, Berks County, Pa. Brick, 2 stories, 18x77 feet, slag roof, pine floors, electric work. Owner will build.

Residences (200), Twenty-third and 24th, Main to Greenway, Darby, Pa. Architect, private plans. Owners, Berman Brothers, 6017 Market street, Philadelphia. Brick, 2 stories, 15x36 feet, slag roof, hardwood floors, hot water heat, electric light. Plans in progress. Owners will start work in the fall.

Residence and Garage, Lot No. 76, Wynnewood, Pa. Architect, Richard A. Kerns, 10 South Eighteenth street, Philadelphia. Owner, Russell C. Neff, 2300 Pine street, Philadelphia. Hollow tile, stucco, 2½ stories, 40x50 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans completed. Architect will build.

Bungalow, Glenside, Pa. Architect, Eugene A. Stopper, 10 South Eighteenth street, Philadelphia. Owner, Edward Merckle, Glenside, Pa. Brick, 1½ stories, 26x43 feet, wood shingle roof, hardwood floors, hot water heat, electric light, tile work. Owner taking bids.

Residence, York, Pa. Architects, Whitman & Royer, 47 East Market street, York, Pa. Owner, C. W. Hoffman, York, Pa. Brick, 2½ stories, 40x30 feet, asbestos shingle roof, hardwood floors, vapor heat, electric light, tile work. Plans in progress.

Church, Mount Pleasant, Pa. Architect, J. B. Hamme, City Bank Building, York, Pa. Owners, care of Rev. W. R. Brenneman, Mt. Pleasant, Pa. Brick, 1 story and basement, 79x40 feet, slate roof, pine floors, electric light. Plans in progress.

School and Auditorium, Mahanoy Plains, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, care of P. J. Fleming, Mahanoy Plains, Pa. Brick, frame, steel, 3 stories, 50x100 feet, composition roof, pine floors (heating, plumbing and electric reserved). Architect taking bids due June 29th.

Parish House, Schuylkill Haven, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. John's Reformed Church, Rev. Dr. E. Noll, Schuylkill Haven, Pa. Stone, brick, 2 stories, 82x65 feet, slate and built-up roof, maple and concrete floors, waterproofing, cast stone, floor hardener, tile and marble, electric lighting. Architects taking bids due June 26th.

Office and Residence, Reading, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owners, Evans Cemetery, Reading, Pa. Brick, cast stone, 1 and 2 stories, 40x70 feet, 40x70 feet, slate roof, oak floors, hot water heat, electric light. Architect taking bids due June 26th.

Hotel, Hanover, Pa. Architect, W. L. Stoddard, 50 East Forty-first street, New York. Owners, Community Hotel Co. of Hanover, William E. Matthews, secretary, Hanover, Pa. Brick, stone, steel, 6 stories, 57x140 feet, slag roof, steam heat, electric light, tile work. Architect taking bids.

Garage and Tool House, Huntingdon, Pa. Architect, H. L. Reinhold, 1513 Walnut street, Philadelphia. Owner, A. Fisher, Huntingdon, Pa. Architect taking bids due as soon as possible.

Masonic Temple, Pottsville, Pa. Architects, Muhlenberg Brothers, 611 Penn street, Reading, Pa. Owners, Pulaski Realty Co., W. H. Chandler, secretary, 1239 West Market street, Pottsville, Pa. Architects taking bids due July 3rd.

Residence (alts.), 7930 Park avenue, Elkins Park, Pa. Architects, Edwin H. Silverman and Abraham Levy, Elrae Building, Philadelphia. Owner, Henry Wessell, on premises. Glass, shingle, 2 stories, 10x14 feet, shingle roof, oak, pine floors, tile and marble work. Architect taking bids due as soon as possible.

Church, Norwood, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Immanuel Lutheran Church, Rev. A. A. Kelly, Norwood, Pa. Owners taking bids due July 6th at 6 P. M.

Bridges, Delaware County, Pa. Engineer, S. C. Hollister, Media, Delaware County, Pa. Owners, County Commissioners. Media, Delaware County, Pa. Labor and equipment, Bridge No. 74 (Maris Worrall Bridge), over Darby Creek, two-span through girder, reinforced concrete, 37 11/32 feet wing, 1 span 64 feet, 1 span 72 feet. Bridge No. 232 (Tribbett Avenue Bridge), Folcroft Borough, over Heresporotes Run, reinforced concrete arch, 30-foot span, 42 feet wide, including wing walls, sidewalks, concrete pavements. Owners taking bids due June 30th, 11 A. M. Certified check 5 per cent. of amount of bid

with each bid. Plans and specifications may be obtained from County Commissioners. Deposit \$10 on Morris Worrall Bridge; \$7.50 on Tribbett Avenue Bridge. No refund.

Oak Planking for Bridges, Media, Delaware County, Pa. Owners, County Commissioners, Delaware County, Media, Pa. 5,000 feet each of 16 feet x 3 inches x 10 inches, 18 feet x 3 inches x 10 inches, 20 feet x 3 inches x 10 inches. Owners taking bids due June 30th, 11 A. M.

Repainting Entrance of Court House, Media, Delaware County, Pa. Owners, County Commissioners, Media, Delaware County, Pa. Owners taking bids due June 30th, 11 A. M. Certified check \$500 must accompany each bid.

Ninth Street Bridge, over Chester River, Chester, Pa. Consulting engineer, S. C. Hollister, Swarthmore, Pa. Owners, Chester County, Chester, Pa. Owners taking new bids due June 30th.

Garage, Reading, Pa. Architects, High & Huber, 230 North Sixth street, Reading, Pa. Owner, George Romig, 1160 Buttonwood street, Reading, Pa. Brick, concrete, steel, 2 or 3 stories, 53x120 feet, built-up roof, concrete floors, steam heat, electric light, metal lath, floor hardener, fire doors, steel work, steel sash. Architects taking bids due June 26th.

Sandy Bank School (add.), Upper Providence Township, Pa. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owners, Upper Providence Township School Board, Media, Pa. Lowest bidders, general, James B. Flounders, Media, Pa., \$34,271; electric, E. F. Higgins & Co., Wilmington, Del., \$746; heating, White & Hand, Chester, Pa., \$4,838; plumbing, White & Hand, Chester, Pa., \$2,430.

School Building (add.), Yeadon, Delaware County, Pa. Architects, David Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, School Board of Yeadon, G. R. Anderson, Delaware County, Pa. Low bidders: Farrell-Roth Const. Co., 1624 Spruce street, \$9,666; Barelay White, 1713 Sansom street, Philadelphia, \$9,987.

PENNSYLVANIA Contracts Awarded

Apartment Hotel, West Chester road and Brief avenue, Upper Darby, Pa., \$800,000. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owner, Maxwell P. Levy, Upper Darby, Pa. Brick, cut stone, steel, 4 stories and basement, size irregular, slate, slag and tin roof (elevators, electric, plumbing, heating and dumb waiters reserved), cement and oak floors, metal lath, tile and marble work, hollow metal sash, rolled steel skylights, fire and kalamein doors, bond, metal bulks, ornamental iron work, waterproofing and dampproofing, metal weather strip, roof ventilators, architectural terra cotta, travertine, steel casements, stand pipe system, metal lockers, clothes driers, ash hoists, ornamental plaster. Contract awarded to Boyle Robertson Co., Washington, D. C.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Armstrong County, R-69-71, East Franklin Township, 2,843 feet. One course reinforced concrete. \$51,088.15. Contract awarded to F. S. Wilson, Kittanning, Pa.

Bank and Office Building, State and Tenth streets, Erie, Pa. Architects, Dennison & Hiron, 288 Lexington avenue, New York City. Owners, Erie Trust Co., on premises. Brick, reinforced concrete, cut stone, steel, 13 stories and basement, 160x80 feet, Barrett

High School, Collingdale, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owners, Collingdale School Board, Collingdale, Pa. Low bidders: Wills Bill Co., 1706 Sansom street, Philadelphia, \$36,936; S. Sidney Lewis, Real Estate Trust Building, Philadelphia, \$38,378. Heating, American Heating & Ventilating Co., 1505 Race street, \$9,033. Electric, Strang Electric Co., 214 South Seventh street, Philadelphia, \$1,811.

Office and Stores, York, Pa. Architect, J. A. Dempwolf, Centre Square, York, Pa. Owner, Mahlon N. Haines, care of architect. Brick, steel, 5 stories, 40x150 feet, composition roof, composition roof, composition and concrete floors, elevators, safety treads, roof ventilators, dampproofing, iron stairs, fire doors, rolled steel sash and skylights, metal lath, steam heat, electric light. Architect taking bids due June 27th.

Post Office, Franklin, Pa. Architect, James A. Wetmore, Washington, D. C. Owners, Treasury Department, Washington, D. C. Brick, steel, 1 story, 50x96 feet, composition roof, plumbing, metal weather strip, dampproofing, metal lath, marble work, steam heat, electric light, brass pipe, wrought iron pipe. Owners taking bids due July 10th.

Sewer, Lansdale, Pa. Engineers, Albright & Mebus, 1502 Locust street, Philadelphia. Owners, Borough of Lansdale, Nelson C. B. Kriebel, secretary, Lansdale, Pa. (a) Construction of 3,800 feet vitrified pipe sewer, 20 inches in diameter, and 13 manholes; (b) construction of 420 feet 5 feet x 5 feet reinforced concrete culvert; (c) construction of sewage treatment plant. Owners taking bids due July 6th at 7 P. M. (Standard Time). Deposit of \$10 (refunded). Certified check 2 per cent. of bid.

Residence, Haverford, Pa. Architects, Charles Barton Keen & Wallace, 338 South Smedley street, Philadelphia. Owner, C. E. Mathers, care of architect. Frame, brick, 2½ stories, 23x50 feet, wood shingle roof, hardwood floors, hot water heat, electric light, tile work. Architects taking bids due June 25th at noon.

specified roof, cement floors, elevators, waterproofing, architectural terra cotta, ornamental iron work, iron stairs, bond, hollow metal doors, rolled steel sash and skylights, tile, marble and terrazzo work, metal lath, steam heat, electric light, mail chute, granite, limestone, ventilating, plumbing, brass pipe, wrought iron pipe. Contract awarded to Sheink Construction Co., Erie, Pa., \$1,100,000.

Residence, Wyneewood, Pa. Architects, Webber & Wurster, 1530 Locust street, Philadelphia. Owner, Mrs. H. B. McCall, care of architect. Stone, 2½ stories and basement, 67x25 feet, wing 25x26 feet (plumbing, heating, electric, elevators reserved), variegated slate roof, oak, pine and cement floors, metal weather strips, metal lath, tile and marble work, rolled steel sash, ornamental iron work, elevators, doors, flagstone work. Contract awarded Stokes Brothers, 6032 Musgrave street, Philadelphia.

Residences and Garages (18), Springfield, Pa. Architects, MacKenzie & Wiley, Bankers' Trust Building, Philadelphia. Owner, George Wilcox, care of architect. Brick, stucco, 2½ stories, 39x23 feet, 43x36 feet, tile roof, oak, pine and cement floors, hot water heat, electric light, tile and marble work, plumbing, wrought iron pipe, ornamental iron work, metal casements, flagstone. Contract

awarded Bowden Construction Co., 1607 Summer street, Philadelphia.

Residence and Garage, Wayne, Pa. Architects, Boyd, Abel & Gugert, Otis Building, Philadelphia. Owner, R. S. Lauchenbill, Wayne, Pa. Stone, clapboard, 2½ stories, 30x40 feet, 20x24 feet, shingle roof, hardwood floors, vapor heat, electric light, tile work. Contract awarded Lewis B. Heister, Wayne, Pa.

Residence and Garage, Raynham and Grey-stone Road, Merion, Pa. Architects, DeArmond, Ashmead & Bickley, 20 South Fifteenth street, Philadelphia. Owner, Mrs. Roscoe Trumbull, care of architect. Stone, brick, cut stone, 2½ stories and 1½ stories, 50x31 feet, garage 25x28 feet, vapor heat, electric light, metal lath, tile work, asbestos shingle roof, composition, oak, pine and cement floors, plumbing, painting and glazing, ornamental iron work, flagstone, limestone. Contract awarded to Barclay White Co., 1713 Sansom street, Philadelphia.

Bank, Kingston, Pa. Architects, Morgan French Co., 19 West Forty-fourth street, New York City. Owners, Kingston Bank & Trust Co., Kingston, Pa. Brick, granite, limestone, steel, one story and mazzazine and basement, 151x55 feet, Barrett specified roof, cement and oak floors, hollow tile, safety treads, roof vents, metal window guards, plumbing, architectural terra cotta, coping, ornamental iron work, iron stairs, bond, brass pipe, kalamein doors, rolled steel sash, tile and marble work, metal lath, steam heat, electric light, ornamental plaster, wrought iron pipe, cabinet work, bronze work, vault doors, cork tile floors. Contract awarded to Herman Mailander, Wilkes-Barre, Pa.

Residences, Haverford, Pa. Architect, Roberts Rodes McGoodwin, 1600 Walnut street, Philadelphia. Owner, Walter H. Hardt, 2259 Gorgas Lane, Overbrook, Pa. Stone, cut stone, brick, 2 stories, 56x25 feet, wing 24x16 feet, variegated slate roof, oak and pine floors, plumbing, hot water heat, electric light, tile work, bond, flagstone. Contract awarded Metzger, Fisher & White, Otis Building, Philadelphia.

Dormitory and Boiler House, Womelsdorf, Pa. Architect, M. B. Dechant, 632 Washington street, Reading, Pa. Owners, Bethany Orphans' Home, Womelsdorf, Pa. Stone, steel, two stories and basement, 72x42 feet, slate roof, composition, cement and maple floors, roof ventilators. Contract awarded to Elmer Spitler, Lebanon, Pa.

Residence (alts. and add.), Bala, Pa. Architect, Frank Seeburger, 1524 Chestnut street, Philadelphia. Owner, Joseph V. Little, on premises. Hardware, shingle roof, stone work, cement work, sheet metal, carpentry and millwork, plastering, painting and glazing (plumbing, heating, lighting reserved). Contract awarded to Adolf Nardberg, care of owner.

Church and Sunday School, Ringtown, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. John's Lutheran Church, Ringtown, Pa. Contract awarded to Peters & Marshall, Allentown, Pa.

School, Reading, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. Margaret's R. C. Church, Reading, Pa. Granite, steel, two stories, 70x168 feet, built-up roof, maple floors, safety treads, roof ventilators (heating, plumbing, electric reserved). Contract awarded to Reider & McLaughlin, Reading, Pa.

Office Partitions, Bloomsburg, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Magee Carpet Co., Bloomsburg, Pa. Contract awarded Robert Tarlo, 415 South Fifth street, Philadelphia.

School, Slocum, Pa. Architect, H. G. Cook, Jr., Miners' Bank Building, Wilkes-Barre, Pa. Owners, Slocum Township School

Board, J. Hoch, President, care of architect. Frame, two stories. Contract awarded to Berwick Lumber & Supply Co., Berwick, Pa.

Road Work, Pennsylvania. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa.

Jefferson County, A-3122 3128, Young and McCalmont Townships. Contract awarded to Indiana Construction Co., Indiana, Pa., \$225,543.72.

Somerset County, R-52, Somerset Township, \$48,258.72. Contract awarded to Michael Barber, Binghamton, N. Y.

Westmoreland County, R-118, Rostraver Township, \$86,572.99. Contract awarded to Edwards-Dunn Co., Inc., Greensburg, Pa.

Twin Residences and Garages, Spring City, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, Claude Wagoner, Yost avenue, Spring City, Pa. Frame, stucco, 2½ stories, 36x38 feet, asbestos roof, yellow pine floors, brick work, terra cotta, wood sash, metal lath, hot air heat, electric light (heating, plumbing and lighting reserved). Contract awarded to Frank L. Walley, Spring City, Pa.

Residence, Royersford, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford Pa. Owners, Wm. B. Stafford, Sr., Green street, Royersford, Pa. Brick, stucco, two stories, 26x32 feet, asbestos roof, yellow pine floors, terra cotta work, Morgan doors, wood sash (heating, plumbing and electric work reserved). Contract awarded to W. A. Beck, Gay street, Royersford, Pa.

New Jersey Construction News

High School, interior finish, Wildwood, N. J. Architects, H. Rex Staekhouse & W. W. Donohue, 1120 Locust street, Philadelphia. Owners, Board of Education, Wildwood, N. J. Interior completion of seven class rooms, plastering, composition floors, millwork, blackboards, steel work, metal lath, tile work. Owners ready for bids in a few days.

Market Building (alts. and add.), 27 Front street, Trenton, N. J. Architect, H. G. Aitken, American Mechanics' Building, Trenton, N. J. Owners, Capital Sales Corp., Broad and Lafayette streets, Trenton, N. J. Brick, one story, 62x107 feet, irregular, metal sash, hardware, plate glass, Johns Manville roof, electric work, waterproofing, terra cotta, skylights, metal ceilings, painting. Architect taking bids, due as soon as possible.

Nurses' Home, Mercer Hospital, Trenton, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, Mercer Hospital, Mr. Lyons, 196 South Broad street, Trenton, N. J. Brick, steel, concrete, fireproof, three stories and basement, 60x145 feet, slag roof, cement and tile floors, hollow tile, elevators, safety treads, roof vents, rolled steel sash, fire doors, iron stairs, ornamental iron work, tile and marble (heating, plumbing and electric reserved). Architects taking bids, due July 8th.

Nurses' Home, Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, St. Francis' Hospital, Chambers and Hamilton streets, Trenton, N. J. Fireproof, three stories, 100x175 feet, electric work (heating, plumbing and electric reserved). Architect taking bids, due June 26th.

Cold Storage Plant (2 add. floors), Trenton, N. J. Architects, Division of Architects, A. B. Mills, Trenton, N. J. Owners, New Jersey State Hospital, Trenton, N. J. Reinforced concrete, steel, two stories, 114x66 feet, concrete slag roof, cement floors, kalamein doors, bond, iron stairs, ornamental iron work, R.

I. W. Toxerment waterproofing. Owners taking bids, due June 26th, 1.30 P. M.

County Almshouse (alts.), New Lisbon, N. J. Architect, E. A. Wightman, Bankers' Trust Building, Philadelphia. Owners, County Board of Freeholders, New Lisbon, N. J. Revised plans in progress. Bids due June 26th.

Grade School (add.), Prospect Heights, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, Ewing Township School Board, Trenton, N. J. Brick, steel, one story and basement, 40x120 feet, slate roof, maple floors, hollow tile, safety treads, metal ceilings (heating, plumbing and electric separate), bond. Owners taking bids, due July 6th.

School, Brookfield, N. J. Architects, P. L. Fowler Co., Fitzcharles Building, Trenton, N. J. Owners, Ewing Township School Board, Trenton, N. J. Brick, steel, one story, 40x120 feet, slate roof, maple floors (heating, plumbing and electric separate). Owners taking bids, due July 6th.

School (add.), Trenton Junction, N. J. Architects, P. L. Fowler Co., 224 East Hanover St., Trenton, N. J. Owners, Ewing Township School Board, Trenton, N. J. Brick, one story and basement, 40x120 feet, slate roof, maple floors (heating, plumbing and electric separate). Owners taking bids, due July 6th.

Girls' Dormitory (New Boys' Dormitory) (alts.), Trenton Junction, N. J. Architects, Guilbert & Betelle, Newark, N. J. Owners, Board of Education, State of New Jersey. Reinforced concrete, brick, steel, cut stone, two stories and basement, L shape, 150x97 feet (plumbing, heating and electric, ventilating separate), variegated slate and copper roof, cement and pine floors, metal lath, tile and marble work, bond, iron stairs, ornamental iron work, integral and membrane waterproofing, bluestone, limestone, soapstone, metal toilet partitions, copper roof, linoleum floors, hardware, painting and glazing, wood block flooring. Alterations Boys' Dormitory, plaster board partitions, new porches, new wash rooms, toilet rooms, reinforced concrete, cut stone, brick work, copper roof, carpentry and millwork, painting, plumbing, soapstone. Certified check 5% of bid. Deposit \$25.00. Refunded. Owners taking bids, due July 6th.

Residences (6), 1328-38 Jackson street, Camden, N. J., \$22,000. Architect, private plans. Owner, Elias Harwan, 1317 Sheridan street, Camden, N. J. Brick, two stories, 14x42 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residences (2), 1104-06 North Seventeenth street, Camden, N. J., \$7,000. Architect, private plans. Owner, John Kestch, 1103 North Eighteenth street, Camden, N. J. Frame, two stories, 16x38 feet, slag roof, pine floors, hot air heat, electric light. Owner will build.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Secretary, Broad Street Bank Building, Trenton, N. J.

Middlesex and Union Counties, Route 4, Section 32, Rahway to Perth Amboy, excavation, reinforced concrete pavement and 1 small span bridge. Certified check required. Deposit of \$10.00. Owners taking bids, due July 6th at 11 A. M. (S. T.).

City of Jersey City, Route No. 1, extension between New Jersey Junction Railway and Oakland avenue, 1,600 feet. Clearing site, demolishing, excavation, relocation and reconstruction of sewers, water pipes, street railway tracks, construction of depressed roadway, streets, pavements, etc. Owners taking bids, due July 6th. Deposit of \$50.00 (refunded). Certified check for \$50,000 required. Items consist of excavation (earth and rock), concrete, structural and other steel, asphalt paving, reconstruction of sub-surface structures.

New Jersey Contracts Awarded

Theatre, Stores and Apartment, Pitman, N. J. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owners, Pitman Realty Co., Pitman, N. J. Brick, cinder block, cut stone, two stories and basement and gallery, 139x100 feet, slag roof, cement and oak floors, plumbing, roof vents, architectural terra cotta, ornamental iron work, bond, kalamein doors, galvanized iron skylights, tile and marble work, metal lath, metal toilet partitions, bluestone. Contract awarded to W. A. Lacey, Pitman, N. J., if project matures.

Store and Office, 548 Federal street, Camden, N. J. Architects, Edwards & Green, Camden N. J. Owner, W. M. Corp, on premises. Reinforced concrete, brick, cut stone, steel, three stories and basement, 120x20 feet, steam heat, electric light, metal lath, tile and marble work, rolled steel sash, galvanized iron skylights, slag roof, cement and pine floors, plumbing, wrought iron pipe, metal ceiling, slate glazed terra cotta, coping concrete block, limestone, kalamein bronze work, composition floors. Contract awarded to J. M. Yardley, 1730 Sansom street, Philadelphia.

Office Building, East Hanover street, Trenton, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, Colonial Land Co., 221 East Hanover street, Trenton, N. J. Brick, steel, one story, 150x20 feet, slag roof, hardwood floors (heating, plumbing and electric reserved), metal lath, tile work. Contract awarded to Thos. Day & Sons Co., Hunt Building, Trenton, N. J.

Residence, Third avenue, Haddon Heights, Camden, N. J., \$8,500. Architect, Ernest C. Ueter, care of owner. Owner, George L. Marston, Audubon, N. J. Cement block, frame, two stories, 26x36 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to Richards & Furner, 1838 Filmore street, Camden, N. J., who is taking sub-bids at once.

Convent, 1035 Mechanic street, Camden, N. J., \$20,000. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owners, St. Joseph's Church, Rev. Czernecki, Tenth and Liberty streets, Camden, N. J. Brick, two stories, 54x32 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Chas. Hajduch, 1109 Liberty street, Camden, N. J.

Building (add.), 501 Market street, Camden, N. J., \$4,000. Architect, private plans. Owners, Valentine Fulton Corp., 503 Market street, Camden, N. J. Brick, two-story addition, slag roof, hot water heat, electric light. Contract awarded to Wm. Wrixford, 724 Washington street, Camden, N. J.

Residence (alts.), 527 Cooper street, Camden, N. J., \$5,000. Architect, private plans. Owner, Julia M. Carey, 527 Cooper street, Camden, N. J. General alterations. Contract awarded to Wm. Wrixford, 724 Washington street, Camden, N. J.

Buildings (2), 40 Haddon avenue, Camden, N. J., \$3,500. Architect, private plans. Owners, Camden Storage Battery Co., 40 Haddon avenue, Camden, N. J. Brick and block, one story, 38x24 feet and one story 15x20 feet, slag roof, electric lighting. Contract awarded to A. G. Shistman, 926 North Fourth street, Camden, N. J.

Residence, 3261 Harrison avenue, Camden, N. J., \$2,500. Architect, private plans. Owner, D. F. Harrigan, Camden, N. J. Frame, one story, 20x30 feet, asphalt roof, pine floors, hot air heat, electric light. Contract awarded to Chas. W. Erickson, Woodbury, N. J.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Secretary, Broad Street Bank Building, Trenton, N. J.

Camden County, Routes 2, 3 and 6, Borough of Collingswood, Township of Pensauken, grading and drainage, \$413,391.60. Contract awarded to Kelyn Construction Co., Commonwealth Building, Trenton, N. J.

Bridge, Lincoln Highway over Hackensack, Route No. 1. Contract awarded to Hillman, Delehanty & Ferris, Inc., 1 Exchange Building, Jersey City, \$774,998.36.

Ringoes-Flemington Road, Hunterdon Co., and 1 Bridge. Contract awarded to Karp & Karp, Phillipsburg, N. J., \$251,910.04.

Miscellaneous Construction News

Dormitory, Wellsley, Mass. Architects, Day & Klauder, Franklin Bank Building, Philadelphia. Owners, Wellsley College, Wellsley, Mass. Stone, three stories, steam heat, electric light, slate roof. Plans in progress.

Church and Sunday School, Battle Creek, Mich. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owners, Evangelical Church, O. B. Stroth, Battle Creek, Mich. Brick, stone trim. Preliminary plans in progress.

Stores (6), Apartments (12), location withheld, \$35,000. Architect, private plans. Owner, John Mitchell, Woodlyne, N. J. Cement block, frame, three stories, 40x70 feet, slate and shingle roof, hardwood floors, hot water heat, electric light. Plans in progress.

Residences (4), Ninth street, Wilmington, Del., \$24,000. Architect, private plans. Owner, A. Fortemato, 1337 West Fourth street, Wilmington, Del. Brick, cinder block, two stories, 21x29 feet, 7x10 feet, slag and slate roof, hot water heat, electric light. Owner will build.

Hospital (add.), Frederick, Md. Architect, Edward Leber, Hay Building, York, Pa. Owners, Frederick City Hospital, Frederick, Md. Fireproof, brick, four stories, 48x58 feet, composition floors, hollow tile, heating extension, electric work, metal lath, tile work, kitchen equipment. Architect ready for bids.

Remodel U. S. Post Office, Providence, R. I. Architect, Jas. A. Wetmore, Washington, D. C. Owners, U. S. Government, Washington, D. C. Plumbing (alts), woodwork, painting and plastering, heating and lighting alterations, metal lath, bond Owners taking bids, due as soon as possible.

Sibley Maternity Hospital, Washington, D. C. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Berkeley Hospital, Washington, D. C. Architects taking revised bids, due June 26th.

Miscellaneous Contracts Awarded

Residence, Wilmington, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner's name withheld. Brick, stucco, 2½ stories, 30x40 feet. Contract awarded to Edw. L. Johnson, 1316 Clayton street, Wilmington, Del.

Store and Apartment (add.), rear 417 Market street, Wilmington, Del. Architect, private plans. Owner, Samson Stern, 417 Market street, Wilmington, Del. Brick, two stories, 22x38 feet, slag roof, heating extension, electric work. Contract awarded to Van Sart Bros., Elmhurst, Del.

Hospital Building, Charleston, S. C. Architect, Ferdinand Durang, 1220 Locust street, Philadelphia. Associated architect, J. D. Newcomb, Charleston, S. C. Owners, St. Francis Xavier Infirmary and Sanitorium,

Charlestown, S. C. Brick, concrete, cut stone, steel, stucco, two stories and basement, 102x39 feet, wing 93x40 feet (plumbing, heating, electric and kitchen equipment, elevators and dumbwaiters reserved), tile and slag roof, cement and pine floors, hollow tile, architectural terra cotta, ornamental iron work, bond, kalamein doors, hollow metal sash, tile, marble and terrazzo work, metal lath. Contract awarded to Palmer Spivey Construction Co., Charlotte, N. C.

Proposal

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., June 10, 1925. Sealed Proposals will be opened in this office at 3 P. M., July 13, 1925, for the construction of a one-story brick-faced Post Office Building, approximately 76 by 44½ feet in size, at Walden, N. Y. Drawings and specifications may be obtained from the Custodian of the site at Walden, N. Y., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., June 17, 1925. Sealed Proposals will be opened in this office at 3 P. M., July 7, 1925, for painting at the United States Quarantine Station, Marcus Hook, Pa., in accordance with the specification, copies of which may be had at this office, or at the office of the Custodian at the Station, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

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BELL PHONE, CAMDEN 3827 W

AS THE EDITOR SEES IT

Realizing the importance to the American nation of the ownership of homes by those living in them, the federal government has turned its attention to this question primarily through the Division of Building and Housing of the Department of Commerce. The chief of this Division, Dr. John M. Gries aided by his assistant, Mr. James S. Taylor, are the authors of a publication entitled "How to Own Your Home." The deep interest in the subject and the contents of this publication is shown by the fact that more than a quarter of a million of them have been sold.

However, the need for a popular illustrated edition of this work has been apparent from the beginning. Accordingly, Better Homes in America, the educational non-commercial organization engaged in demonstrating how American families may acquire homes, and by making homes attractive and comfortable, attain to more wholesome life, has printed this valuable pamphlet in that form. A few additions to the original text have been made for this edition by Dr. Gries and Mr. Taylor.

Herbert Hoover, Secretary of Commerce, who is also president of Better Homes in America, has written a foreword to the publication, describing its purposes. Touching on the reasons for home ownership, Mr. Hoover says:

"A family that owns its home takes a pride in it, maintains it better, gets more pleasure out of it, and has a more wholesome, healthful, and happy atmosphere in which to bring up children. The home owner has a constructive aim in life. He works harder outside his home; he spends his leisure more profitably, and he and his family live a finer life and enjoy more of the comforts and cultivating influences of our modern civilization. A husband and wife who own their home are more apt to save. They have an interest in the advancement of a social system that permits the individual to store up the fruits of his labor. As direct taxpayers they take a more active part in local government. Above all, the love of home is one of the finest instincts and the greatest of inspirations of our people."

The percentages of home ownership in all of the states of the Union are shown in a table compiled from figures gathered by the Census Bureau in the last national census. Following this is a second table, showing the percentage of ownership of homes in all of the cities of the country having populations of 100,000 or more.

The first subject taken up in detail is "How Much to Pay for a Home." These questions, according to this publication should be asked of himself by the

head of a family contemplating the purchase or building of a home:

"1. What is the family's annual income, and what will it probably be next year and the year after?"

"2. If business slackens, is the breadwinner likely to lose his position or have his earnings reduced?"

"3. Will anyone else in the family be able to earn an income?"

"4. What does the family now pay for rent each year?"

"5. How much of the income is being saved?"

"6. How much could the family afford to pay out each year in paying for a house, and for the expenses that go with it?"

"How to Own Your Home" advises strongly against buying beyond one's ability to pay, which usually results in the loss of the home or a long and discouraging struggle to hold on to it and meet payments.

However, in view of the fact that money put into a house means that eventually there will be no payment corresponding to the continual outlay for rent, it is pointed out that if a family is able to pay one-sixth of its income for rent, it may very well afford to pay a quarter of its income during the years when the home is being bought. While always leaving a margin of safety for illness or other unforeseen happenings, it is urged that families may well afford to cut down on other expenditures to enable them to purchase or build homes.

The importance is stressed of taking into consideration that there will be not only interest payments and installments on the principal of the loan in buying a home, but that allowance must be made for renewals and repairs, taxes, special assessments, insurance, water tax, and various improvements and accessories. For instance, families living in apartments sometimes fail to consider the cost of fuel for heating purposes in budgeting their outlay for buying and operating a home.

The authors of "How to Own Your Home" emphasize the high importance of having agreements in regard to financing building or purchasing properly signed by both parties and drawn with careful attention to legal details. No business man or firm would object to these requirements.

Dealing in more detail with financing, the booklet urges that the larger the cash payment which can be made, the better. It is usually desirable that at least one-fifth the value of the property being purchased should be paid for in cash. The pamphlet includes tables showing the allotment of income necessary for annual incomes varying from \$1,200 to \$6,000, where the cash payment is twenty, thirty, and forty per cent. of the total value

of the home. The tables are fully explained, and the incidental additional expenses are taken into account.

In the new addition, a warning is sounded against certain "loan trusts" that are run for the profit of the promoters. It is customary for these organizations to advertise that they will lend money to home buyers at 3 per cent.

"But they pay no interest at all to depositors who are lured in by doubtful promises of the chance of obtaining 'cheap' loans," the revised pamphlet points out. "This method is unbusiness-like. The first few customers, often 'insiders' representing the promoters, may obtain loans cheaply. But they do so only at the expense of later depositors who may receive no interest at all on their deposits for years, and who may not be able to borrow when they need funds, or before the company goes out of business. Such a company, as has been said, borrows money from its depositors and pay them no interest; it lends the money at three per cent. Thus, as long as it operates it absorbs three times as much for expenses and profit as an ordinary well-run building and loan association. Many sound organizations of the latter type, for example, pay five per cent. interest on deposits and lend the money out again at 6 per cent., retaining only 1 per cent as a charge for doing business."

The pamphlet advises against borrowing cash on life insurance policies in order to make first payments. It goes in detail into the question of mortgages, second mortgages, discounts on second mortgages, the honesty of the lender of money on mortgages who may counsel purchasing beyond one's means and foreclosing in order to buy the property at forced sale, financing the home during building operations, borrowing from building and loan associations, purchases where the title does not pass at once, paying off loans by installments, and other financing details.

The other day a prominent local architect called up to inquire regarding a concern that has not advertised with us for two years. "I saw their ad. some years ago in the Guide," said the architect, "and am unable to recall just where they are located." We gave him the address and learned subsequently that as a result the firm bagged a big order. How many similar orders, from architects who wouldn't take the trouble to look them up, that same concern has missed in the course of the past two years it would interest us to know.

"Camouflage" doesn't pay in advertising. Don't call your cannon a bit of landscape. Be honest and gain the confidence of the public.

Reference Directory for Architects, Builders and Owners

ARTESIAN WELLS.

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES.

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINTS.

Blue Print Shop.....1520 Sansom St., Phila.
Robbins, Chas. H., Co.....1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINT PAPER.

Blue Print Shop.....1520 Sansom St., Phila.
Robbins, Chas. H., Co.....1729 Sansom St., Phila.
Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS.

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

BRICK.

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.
BRICK (Face, Common, Paving).
Holloway Corporation.....105-107 S. Third St., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS.

Mitchell Bros.2125 Race St., Phila.

BUILDING BLOCKS.

Schnitzler & Wilt.....Morton, Pa.

BUILDING NEWS.

Daily Building News.....Perry Bldg., Phila.

BUILDERS' SUPPLIES.

Camden Materials Co.....1345 Pine St., Camden, N. J.
The Van Seiver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT.

Camden Materials Co.....1345 Pine St., Camden, N. J.
The Van Seiver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK.

D'Lauro, John55 E. Mermaid Lane, Phila.
Harsch, Wm. F.Narberth, Pa.
Massiah, Frederick, Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

COLUMNS (Metal).

Pearce Fireproof Co.1911 N. 2nd St., Phila.

COMPOSITION FLOORING.

Penna. Flooring & Woodoleum Mfg. Co.,
34 S. 17th St., Phila.

CONCRETE WORK.

Harsch, Wm. F.Narberth, Pa.
Massiah, Frederick, Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Lee T. Ward Co.617 Filbert St., Phila.

CORK FLOORING.

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

CURTIS WOODWORK.

Gillingham Co.Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS.

Building News Pub. Co.Perry Bldg., Phila.

DAMP-PROOFING.

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger.....829 N. 3rd St., Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Master Builders' Co.,
Room 601, 1524 Chestnut St., Phila.

Truscon Laboratories.....1505 Race St., Phila.

DRAWING MATERIALS.

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Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.

Weil, J. H., Co.1315 Cherry St., Phila.

ELECTRICAL SUPPLIES.

Cass, Philip, & Co.40 N. 5th St., Phila.

EXCAVATING.

Harsch, Wm. F.Narberth, Pa.

McCarriek Bros.3138 N. 24th St., Phila.

Morrissey Bros.4345 N. 7th St., Phila.

FENCES.

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co.Erie Ave. and "D" St., Phila.

Reisbord, Wolf4437-43 Ludlow St., Phila.

FINANCING (BUILDING)

Commercial Advance Corp., 1011 Chestnut St., Phila.

Abe Kolsky9th and Walnut Sts., Phila.

Mortgage Extension Corp., 1011 Chestnut St., Phila.

FIREPLACE EQUIPMENT.

Martin, E. V.1025 Arch St., Phila.

F. R. Rosen.....5216 Walnut St., Phila.

FIREPROOFING.

Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLAG POLES.

J. E. Lingo & SonCamden, N. J.

FLOOR HARDENER.

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Master Builders' Co., Room 601, 1524 Chestnut St., Phila.

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FLOOR PLATES.

Wood, Alan, Iron & Steel Co., Widener Bldg., Phila.

FLUE LINING.

Clausen, Wm. H.27th and Diamond Sts., Phila.

FURNACES AND RANGES.

Cox, Abram, Stove Co., American and Dauphin Sts., Phila.

Fleck Bros.50 N. 5th St., Phila.

Miller, Henry M.46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc.64 N. 2nd St., Phila.

GARAGE HEATERS.

Fleck Bros. Co.50 N. 5th St., Phila.

GAS RANGES.

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GRADING.

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HAULING CONTRACTORS.

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McCarriek Bros.3138 N. 24th St., Phila.

HEATING CONTRACTORS.

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HEATING BOILERS.

Cox, Abram, Stove Co.,
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Fleck Bros. Co.50 N. 5th St., Phila.

HEATING SPECIALTIES.

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HOLLOW METAL WINDOWS.

McFarland-Meade Co.,
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Tinney, Walter H., Co.,
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HOLLOW TILE.

Clausen, Wm. H.27th and Diamond Sts., Phila.

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Ketcham, O. W.121 N. 18th St., Phila.

HOT WATER GENERATORS.

Edwin Elliot & Co.1011 Chestnut St., Phila.

INSURANCE.

Insurance Co. of North America,
3rd and Walnut Sts., Phila.

Philadelphia Fire & Marine Ins. Co.,
1711 Chestnut St., Phila.

IRON AND STEEL BARS AND PLATES.

Montgomery Iron & Steel Co. 918 W. Berks St., Phila.

Nicetown Plate Washer Co., Inc.,
1844 W. Juniata St., Phila.

Potts, Horace T., & Co.Erie Ave. and D St., Phila.

Reisbord, Wolf4437-43 Ludlow St., Phila.

Wood, Alan, Iron & Steel Co., Widener Bldg., Phila.

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Warren-Knight Co.136 N. 12th St., Phila.

Weber, F., Co.125 S. 12th St., Phila.

Weil, J. H., Co.1315 Cherry St., Phila.

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Murlin Mfg. Co.5420 Paschall Ave., Phila.

LIGHT IRON CONSTRUCTION.

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Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

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Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

LUMBER.

Felin, Chas. F., & Co.,
Old York Road, above Butler St., Phila.

Gillingham Co.Norris and Richmond Sts., Phila.

Ketcham, Howard.....3rd and Girard Ave., Phila.

Shaw, James, & Son Co.,
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Belfi Bros. Co.1923 Market St., Phila.

Italian Marble Mosaic Co.433 Spruce St., Phila.

Penna. Tile & Mosaic Co.1637 Wood St., Phila.

Roman Mosaic & Tile Co.435 Green St., Phila.

Wilson, Wm. G.1524 Sansom St., Phila.

MASON BUILDER.

D'Lauro, John55 E. Mermaid Lane, Phila.

METAL LATH.

Pearce Fireproof Co.1911 N. 2nd St., Phila.

METERS.

Phila. Meter Co.Real Estate Trust Bldg., Phila.

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PHOTOSTATS.

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PLUMBING FIXTURES.

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Malia, Thomas226 W. Mentor St., Phila.

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Radiator Cabinet Co.Drexel Bldg., Phila.

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Miller, Henry M.46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co.1026 Arch St., Phila.

F. R. Rosen.....5216 Walnut St., Phila.

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F. R. Rosen.....5216 Walnut St., Phila.

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H. T. Potts & Co.Erie Ave. and "D" St., Phila.

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Lee T. Ward Co.617 Filbert St., Phila.

ROOFING.

Brinkman Bros.2615 Frankford Ave., Phila.

Warren-Ehret Co.253 S. 15th St., Phila.

ROOFING MATERIALS.

Warren-Ehret Co.253 S. 15th St., Phila.

ROOFING SLATE.

Chapman Slate Co.Bethlehem, Pa.

ROOFING TILE.

Ketcham, O. W.121 N. 18th St., Phila.

SAFETY GUARDS.

Potts, Horace T., & Co.Erie Ave. and D St., Phila.

SAND AND GRAVEL.

Camden Materials Co.....1345 Pine St., Camden, N. J.

The Van Seiver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING.

Patent Scaffolding Co.2835 Bridge St., Phila.

SCREENS.

Malia, Thomas.....226 W. Mentor St., Phila.

SEWERAGE WORK.

Harsch, Wm. F.Narberth, Pa.

SEWER PIPE.

Clausen, Wm. H.27th and Diamond Sts., Phila.

SHEET METAL AND ROOFING.

McFarland-Meade Co.,
70th and Kingsessing Ave., Phila.

Tinney, Walter H., Co.,
63rd and Woodland Ave., Phila.

SHEETROCK (Wall Board).

Pearce Fireproof Co.1911 N. 2nd St., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

SOUNDINGS.

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEAM SHOVEL CONTRACTORS.

McCarriek Bros.3138 N. 24th St., Phila.

Morrissey Bros.4345 N. 7th St., Phila.

STEAM SPECIALTIES.

Edwin Elliot & Co.1011 Chestnut St., Phila.

Sheffler-Gross Co.Drexel Bldg., Phila.

Changing an Attitude of Mind

It has been the tendency of the public to look upon insurance as something on which it must first be "sold" by convincing arguments of the insurance man.

That this attitude is undergoing a change is evidenced in the number of people who no longer wait for the agent to solicit their business but who seek out the agent and ask for insurance advice.

By its national advertising the Insurance Company of North America is helping materially to bring about that hoped for time when people will "consult their insurance agent as they consult their doctor or lawyer."

Represent North America.

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
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Vol. XL, No. 26
July 1, 1925

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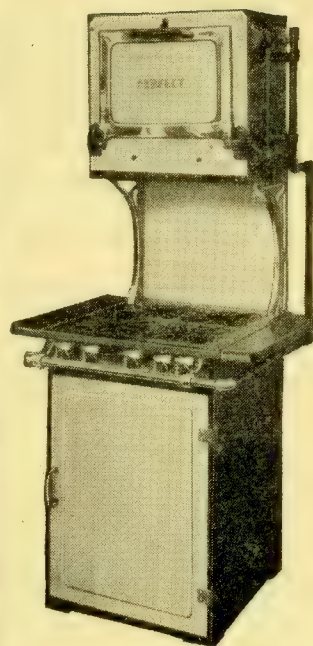
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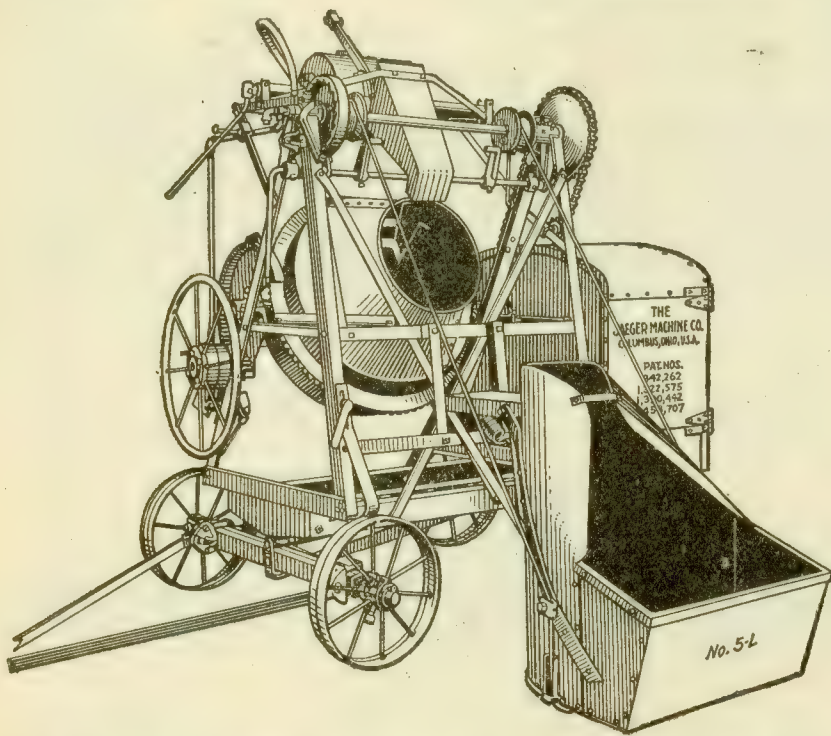
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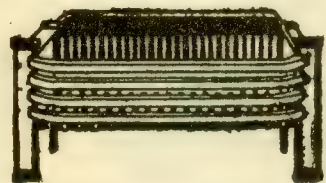
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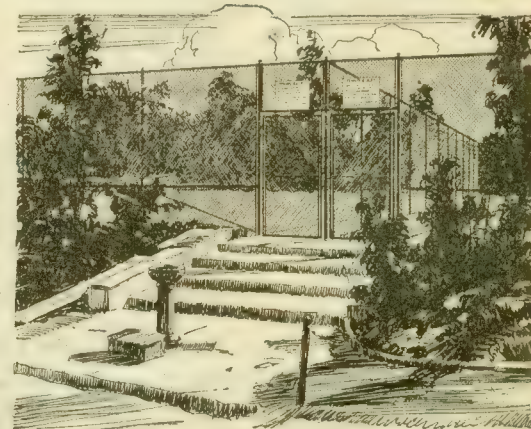
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XL
Number 26

PHILADELPHIA
July 1, 1925

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

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CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS;
CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residences (10), Longshore, Cottage and Gillespie streets, \$4,500 each. Architect, private plans. Owner, Frank Storch, 426 East Roosevelt, Blvd., Philadelphia. Brick, two stories, 14x37 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Office (add.), 2821 Richmond street, Philadelphia, \$18,000. Architect, private plans. Owners, Philadelphia & Reading R. R., Twelfth and Market streets, Philadelphia. Brick, third story addition, 100x41 feet 6 inches, slag roof pine floors, electric light. Owners will build.

Lumber Shed, west side of Rising Sun avenue, north of Adams avenue, \$14,000. Architect, private plans. Owners, Chas. F. Felin & Co., York Road and Butler street, Philadelphia. Frame, one story, 84x208 feet. Owner will build.

Steel Hanger, Municipal Airport, Fortieth Ward, Philadelphia. Owners, 103 Observation Squadron, National Guards, Philadelphia. Owners taking bids, due July 3rd.

Hospital Buildings, Thirty-fourth and Pine street, Philadelphia. Architect, Philip H. Johnson, 1713 Sansom street, Philadelphia. Owners, Philadelphia General Hospital Department of Public Health, Bureau of Hospitals, Dr. W. Krusen, 584 City Hall. Brick, cut stone, concrete, steel (plumbing, heating and electric separate bids), asbestos built-up roof, cement, oak and pine floors, hollow tile, elevators, roof ventilators, metal window guards, shoring, dampproofing, ornamental iron work, steel stairs, bond, hollow metal sash, rolled steel skylights, tile, marble and terrazzo work, metal lath, bronze doors, brass pipe, electric dumbwaiters, travertine finish. Certified check 5% amount of bid. Deposit \$250.00, refund \$200.00. Granite, limestone, Hydrex waterproofing, ornamental iron fence,

bronze grills, medium and marocote closets, steel partitions, cork partitions, equipment for dental clinic, ornamental plaster, acoustical treatment, metal cornice beads, steel vault doors, casement (steel) windows. Clinic Building, ground floor and one story, 93x142 feet; Administration Building, four stories and basement, 120x45 feet, wing 55x80 feet, 24x69 feet; Women's Medical Ward E, Men's Surgical Ward D, Women's Surgical Ward C, Women's Nervous Ward B, Children's Ward A, Maternity Ward G, Men's Medical Building F, 4 stories and basement, 113x50 feet, wing 83x31 feet each. Owners taking bids, due July 21st.

Public Schools (2), Seventeenth and Christian streets, Ninth and Parrish streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, cut stone, reinforced concrete, granite (plumbing, heating, electric and ventilating separate), slag and composition roof, composition, cement and maple floors, hollow tile, safety treads, metal weatherstrip, ornamental iron work, floor hardner, iron stairs, bond, rolled steel and hollow metal doors, rolled steel sash, tile and marble work, metal lath, steel partitions, membrane waterproofing, ornamental plaster. Penna. bond. Seventeenth and Christian streets, three stories and basement, 158x72 feet; Ninth and Parrish streets, three stories and basement, 158x72 feet. Owners taking bids, due July 7th.

Automobile Sales Room and Garage, Cheltenham avenue and Knox street, Philadelphia. Architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owner, Clarence Brown, care of architect. Stone. Sketches in progress. Too early for details.

Engine Yard (alts.), Twentieth and Hamilton streets, Philadelphia. Architect, private plans. Consulting engineers, Curtis Grindrod Co., 10 South Eighteenth street, Philadelphia. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Work contemplated. Plans in progress.

Office Building, Thirtieth and Market streets, Philadelphia. Architects, Graham, Probst & White, Chicago, Ill. Owners, Pennsylvania Railroad, Broad Street Station, Philadelphia. Working plans in progress. Will be ready for bids in one month.

Store (alts.), Southwest Corner Twenty-third and Oxford streets, Philadelphia. Architect, Sol. Kaplan, 30 South Eighteenth street. Owner, Louis N. Blumstein, on premises. General alterations. Plans about completed. Architect will be ready for bids in a few days.

School and Parish House, Fifth and Lindley avenue, Philadelphia. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owners, Incarnation of Our Lord Roman Catholic Church, Rev. M. J. Brady, Fifth and Lindley, Philadelphia. Preliminary plans in progress. Work contemplated.

Residence (alts. for High School), West Logan street, Germantown. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owners, St. Francis of Assisi, Rev. J. D. Nevin, Green and Logan. General renovations. Preliminary plans in progress.

Residence (alts. and add.), 1802 Delancey street, Philadelphia. Architects, De Armond, Ashmead & Bickley, Peoples' Trust Building, Philadelphia. Owner, Robert K. Wurtz, on premises. Brick, 3 stories, 16x30 feet, vapor heat, electric light, tile and marble work, slag roof, hardwood floors. Architect ready for sub-bids.

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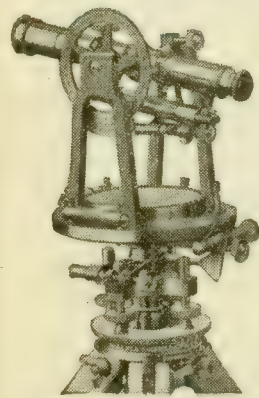
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and Philadelphia & Reading Railroad, Manayunk, Philadelphia. Architect, private plans. Owners, A. T. Baker & Co., on premises. Reinforced concrete, brick, steel, 3 story add., 126x70 feet, slag roof, cement floors, rolled steel sash, ornamental iron work, plumbing, elevators, ornamental iron work, automatic sprinkler system, elevator doors. Barclay-White Co., 1713 Sansom street, Philadelphia, taking sub-bids due as soon as possible.

Store, Apartment, Bakery and Residences (2), Manayunk and Rector streets. Architect, private plans. Owner, Carl F. Hirsch, 418 Ripka avenue, Philadelphia. Stone, brick, plaster, hot water heat, electric light, tile work, slag and tile roof, hardwood and tile floors, cornice work, steel work, painting and plastering, plate glass, metal bulks. Owner taking sub-bids due at once.

Stores (4), **Apartments** (6), (alts. and add.), 500 South Forty-second street, Philadelphia. Architect, Charles C. Schweiker, 29 Garfield avenue, Manoa Heights, Delaware County. Owner, D. H. Kajakjian, 105 Stratford avenue, Lansdowne, Pa. Brick and additional fire tower, 4 stories, 21x82 feet, hot water heat, electric light, metal lath, tile bath, plate glass, copper frames, slag roof, pine and oak floors. Owner taking bids.

Building (alts.), **New Garage**, 17 South Forty-fourth street, Philadelphia. Architect, private plans. Owner, E. F. Goldhahn, 4335 Chestnut street, Philadelphia. Brick work, 1 story add., 16x78 feet, slag roof, carpentry and mill work, plate glass, plastering, painting and glazing, bulks (plumbing, heating and electric reserved). Owner ready for sub-bids due at once.

Store and Apartment (alts. and add.), 5370 Lebanon avenue, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, Harry B. Jamison, on premises. Brick, 3 stories and basement, 16x115 feet, add. 16x23 feet, hot water heat, oil burning equipment, electric light, tile work, slate roof, hardwood floors, underpinning. Plans in progress. Will be ready for bids in one week.

Apartment House, Northeast Corner Forty-first and Chestnut streets, Philadelphia. Architect, private plans. Owners, Kanak Co., 1034 Spruce street, Philadelphia. Brick, limestone, steel, 4 stories and basement, 72x225 feet, slag roof, oak, pine, composition floors, (2) elevators, roof ventilators, vapor heat, electric light, metal lath, tile and marble work, rolled steel skylights, fire doors, ornamental iron work. Beni. A. Kaplan, 1034 Spruce street, taking sub-bids due as soon as possible.

Garage, Callowhill street, West of Eighth street, Philadelphia. Architect, Fred N. Greisler, 1035 Walnut street, Philadelphia. Owner, care of architect. Brick, steel, concrete, 2 stories, 60x130 feet, slag roof, concrete floors, electric elevators, steam heat, electric light, rolled steel sash, hollow metal skylights. Plans about completed. Architect will be ready for bids (general) in a few days.

Bank (alts. and add.), Southwest Corner Fifty-second and Market streets, Philadelphia. Architect, W. Leshner Blithe, 608 Chestnut street, Philadelphia. Owners, Market Street Title & Trust Co., on premises. Brick, cut stone, steel, 2 stories and basement, 78x90 feet. Barrett Specification roof, cement floors, hollow tile, metal window guards, metal ceilings, shoring, dampproofing, architectural terra cotta, ornamental iron work, iron stairs, hand, kalamein and hollow metal doors, rolled steel skylights, hollow metal sash, tile, marble and terrazzo work, metal lath, vapor heat, electric light, hardware, ventilating system, painting and glazing, coin lift, document lift, carpentry and mill work, plastering, artificial marble, reinforced concrete work, plumbing,

bluestone, wrought iron pipe, brass pipe. Architect taking bids due July 9th.

Alterations, 1020 Market street, Philadelphia. Architects, Construction Department, F. W. Woolworth, Wilkes-Barre, Pa. Owners, F. W. Woolworth Co., Wilkes-Barre, Pa. Bonds, concrete work, cement floors, dampproofing, brick work, granite, steel work, steel stairs, rolling steel doors, iron grills, maple floors, built-up roofing, kalamein doors, artificial marble work, plastering, hardware, metal ceilings, tile and marble work, (3) elevators, plumbing, electric work. Owners taking bids due July 6th.

Contract No. 23, Delaware River Bridge. Owners, Delaware River Bridge Joint Commission, Widener Building, Philadelphia. Owners taking bids due July 15th, 3.30 P. M. (Standard Time). Grading of side Delaware avenue to Fourth street, and adjacent streets, construction of sewers and inlets, paving and repaving of roadway and sidewalks, alterations to Frankford Elevated structure and other work. Contract time for work is eleven months. Unit prices and lump sum asked. Certified check for \$25,000 must accompany each bid. Contractor's bond, 50 per cent. of amount of contract.

Building Equipment, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Owners taking bids due July 7th, 11 A. M. (Standard Time). Various schools, repairs to heating, painting, brick work, wire screens, new sidewalks and repairing, cement pavements, sanitary improvements, forced draft equipment, plastering, painting outside, repairs to flagpoles, fire escapes, electric light.

Residence (alts.), 1915 Spruce street, Philadelphia. Architect, Frank E. Hahn, Seventh and Chestnut streets, Philadelphia. Owner, Dr. N. S. Ersner, on premises. Architect taking bids due as soon as possible.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Water, Philadelphia. Contract No. 766, furnish and deliver pig lead. Contract 767 pitometer survey of trunk mains of water distribution system. Certified check 5 per cent. of amount of bids. Inquire Room 788. Owners taking bids due July 7th, 11 A. M. (Standard Time). 216 City Hall.

Residences (29), West side Seventeenth street, Chew to Grange streets, Philadelphia, \$260,000. Architect, private plans. Owner, F. J. Peters 2045 Stenton avenue, Philadelphia. Brick, 2 stories, 16x44 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Apartment House, Northeast Corner Forty-second and Pine streets, Philadelphia, \$250,000. Architect, private plans. Owners, J. R. & J. A. Whelan, Seventeenth and Summer streets, Philadelphia. Brick, 4 stories, 150x47 feet, 26x8 feet, slag roof, hardwood, pine and cement floors, steam heat, electric light, tile work. Owners will build.

Residences (23), East side Hawthorne street, Bridge to Pratt streets, Philadelphia, \$114,500. Architect, private plans. Owners, Kerr & Witty, Cambria and Thirteenth streets, Philadelphia. Brick, 2 stories, 15x37 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Office (add.), North side Fralev street, West of Tacony street, \$16,000. Architect, private plans. Owners, Abrasive Co., on premises. Brick, second story add., 44x67 feet, slag roof, pine floors, electric lighting. Owners will build.

Hall (alts.), 808 Locust streets, Philadelphia, \$10,000. Architect, private plans. Owners, care of B. Bichovskv, president, 333 South Fifth street, Philadelphia. General alterations. Owners will build.

Garage, 1336 North Marshall street, Philadelphia, \$8,000. Architect, private plans.

Owners, Hartman & Zutinky, 1628 North Sixth street, Philadelphia. Brick, 1 story, 36x162 feet, slag roof, cement floors, electric light. Owners will build.

Stable, North side Wingohocking street, East of N street, \$5,000. Architect, private plans. Owner, David Duffin, 5101 Roosevelt Boulevard, Philadelphia. Stone, 1 story, 32x94 feet. Owner will build.

Residences (25), North side Chester avenue, East of Church Lane, \$112,500. Architect, private plans. Owner, J. F. Basford, Crozer Building, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (12), 7255-77 Walnut Lane, Philadelphia, \$61,000. Architect, private plans. Owner, Walter S. Bauer, 4308 North Broad street, Philadelphia. Brick, 2 stories, 15x37 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Garage, East side Sixty-first street, North of Woodland avenue, Philadelphia, \$10,000. Architect, private plans. Owner, P. Landelfi, 205 West Wyoming avenue, Philadelphia. Brick, 1 story, irregular size, slag roof, cement floors, electric light. Owner will build.

Garage, 6536 North Eleventh street, Philadelphia, \$2,000. Architect, private plans. Owner, N. N. Brennan, Moorestown, N. J. Stone, 1 story, 18x20 feet, cement floors, electric lighting. Owner will build.

Residences (30), (4) 6200-06 McCallum street, and (26) 401-53 Wellsley road, Philadelphia, \$139,400. Owner, A. R. Smith, Greene and Cheltenham avenue, Philadelphia. Brick, 2 stories, (4) 16x40 feet, (26) 18x30 feet, hot water heat, electric light, pine floors. Owner will build.

Residences (4), Montague and Benner streets, Philadelphia, \$18,100. Architect, private plans. Owner, Fred W. Deitrich, Northwest Corner Frankford avenue and Devereaux street. Brick, 2 stories, 16x45 feet and 16x38 feet, hot water heat, electric light, hardwood and pine floors. Owner will build.

Residence (alts. and add.), 422-30 Chestnut avenue, Philadelphia, \$30,000. Architect, private plans. Owner, Richard L. Austin, 8525 Seminole avenue, Philadelphia. Brick, 2 stories add., 14x14 feet, general alterations. Owner will build.

Residences (23), West side Edgemont avenue, North of Oxford street, \$7,000 each. Architect, private plans. Owner, John H. McClatchey, Land Title Building, Philadelphia. Brick, 2 stories, 16x32 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residence and Garage, 6238 Paschall avenue, Philadelphia, \$6,000. Architect, private

plans. Owner, Park Daly, 6308 Paschall avenue, Philadelphia. Brick, 2 stories, 16x32 feet, garage, 1 story, 10x18 feet, slag roof, hardwood, pine and cement floors, hot water heat. Owner will build.

Residence, East side Fifty-sixth street, South of Haverford avenue, \$4,500. Architect, private plans. Owner, Harry Miller, 5558 Haverford avenue, Philadelphia. Brick, 2 stories, 44x16x28 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residence and Store (add.), 6001 Kingsessing avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Peter F. Maloney, on premises. Brick add., 16x56 feet, slag roof, pine floors, electric light. Owner will build.

Store and Residence (alts.), Southwest Corner Germantown avenue and Cambria street, \$3,500. Architect, private plans. Owners, Crescenzo Brothers, 2111 West Indiana avenue, Philadelphia. General alterations. Owners will build.

Store, 920 South Fifty-third street, Philadelphia, \$3,000. Architect, private plans. Owner, Harry Devlatian, 28 South Cecil street, Philadelphia. Brick, 1 story, 25x35 feet, slag roof, pine floors, electric lighting. Owner will build.

Residences (11), Chester and Cemetery avenues, Philadelphia, \$35,000. Owners, Woodland Const. Co., Sixty-fifth and Chester avenue, Philadelphia. Brick, 2 stories, (2) 20x45 feet, (9) 16x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Owners will build.

Residence, 5259 Whitaker avenue, Philadelphia, \$7,000. Architect, private plans. Owner, L. W. Goodman, Drexel Hill, Pa. Brick, 2 stories, 16x42 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Store and Residence (alts. and add.), Northeast Corner Sixtieth and Sansom streets, Philadelphia, \$3,000. Owner, H. Lion, Fifty-seventh and Walnut streets, Philadelphia. Brick, 2 stories add., 16x20 feet, general alterations. Owner will build.

Miscellaneous Work, Philadelphia. Low bidders. Owners, Department of Public Works, Bureau of Highways, Philadelphia.

Schedule A—Grading: Dicks avenue, Carroll to Seventieth street; Thomas P. Lee, 5629 Cherry street, Philadelphia, \$5,852.80. Ithan street and Sixty-seventh street, Philadelphia; R. B. Wenner, 2315 Walnut street, Philadelphia, \$24,317.70. Stenton, Sheldon to Shedaker; R. B. Wenner, 2315 Walnut street, Philadelphia, \$560.25. Ash street and others; Garlick Brothers, 2948 East Venango street, \$5,706.48.

Schedule B—Asphalt paving: Albanus, Rising Sun avenue to County; Eastern Asphalt

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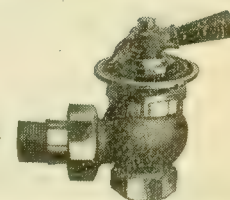
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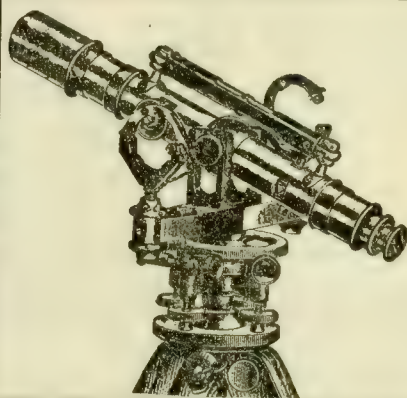


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Co., Pennsylvania Building, \$11,307.84. Amber street and Erie avenue; Mack Paving & Const. Co., Nicetown and C, \$29,498.82. Buist avenue, Dicks and Sixty-sixth streets; Mack Paving & Const. Co., Nicetown and C, \$41,272.02. Glenlock, Haworth to Pratt; Eastern Asphalt Co., Pennsylvania Building, \$3,195.70. Haines street, Chew to Stenton avenue; Barber Asphalt Co., Land Title Building, \$66,799.49. Hunting Park, Allegheny to Clearfield; Barber Asphalt Co., Land Title Building, \$23,726.39. Hunting Park avenue, M to Lycoming street; Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$45,305.77. Locust and Pine streets; Barber Asphalt Co., Land Title Building, \$13,960.05. Naomi street, Peechin to Mitchell; Mack Paving & Const. Co., Nicetown and C, \$4,798.35. Sedgeley avenue, K to L street; Eastern Asphalt Co., Pennsylvania Building, \$9,832.70. York road, Duncannon avenue to Olney; Barber Asphalt Co., Land Title Building, \$74,721.56. Janney street and others; Barber Asphalt Co., Land Title Building, \$16,853.03. Sixty-seventh and Sixty-eighth streets; Union Paving Co., Thirtieth and Locust, \$21,622.81. Lebanon avenue, Fifty-seventh to Upland Way; Barber Asphalt Co., Land Title Building, \$25,706.25. Boyer street and other streets; Union Paving Co., Thirtieth and Locust streets, \$39,292.86.

Schedule C—Country road improvements: Brewster avenue and others; Benjamin Foster Co., Twentieth and Venango streets, Philadelphia, \$29,823.25. Ellet street, Sherman to Green street; John Devlin, Jr., Hancock and Thompson streets, \$3,998.46. Hampton road, Germantown to Green Tree road; A. L. Altemus, 1808 Chestnut street, Philadelphia, \$2,794.00.

Schedule D—Redress granite block repaving: Columbia avenue, Sixth to Eighth; Municipal Paving Co., 702 Catherine street, \$14,947.15. Reed street, Water to Sixth; Aechione & Canuse, 804 South Twelfth street, Philadelphia, \$28,651.15. Sixteenth, Spring Garden to Girard avenue; Mazolla & Marono, 739 South Seventh street, \$40,031.76.

Schedule E—Furnish and deliver granite block, repaving: Sixteenth street; John Meeham, 916 West Dakota street, Philadelphia, \$12,168.00.

Schedule G—Grading: Patterson avenue, Seventh to Delaware River; Stang Const. Co., 1703 North Fifty-fifth street, \$414,277.70.

Sewer Work. Owners, Department of Public Works, Bureau of Engineering, Philadelphia. Low bidders:

Schedule A—Branch sewers: Alreford, Salmon to Edgemont street; A. Mattio, care of owners, \$2,348.34. Colorado street, Pollick street to Greenwich Branch Pennsylvania Railroad; Sarco Cont. & Bldg. Co., 1213 Snyder avenue, Philadelphia, \$2,819. Darien street, Johnston to Bigler street; Sarco Cont. & Bldg. Co., 1213 Snyder avenue, \$8,217. Edgemont street, Orthodox street to Eddington; J. Moss, 1652 Wakeling street, Philadelphia, \$5,337.35. Gaul street, Schiller to Tioga street; V. S. Campelini, care of owner, \$3,074.50. Oxford avenue, Penn to Leiper; J. J. McHugh, 1617 Race street, Philadelphia, \$4,571.79.

Schedule B—Robert Lombardi, Lincoln Building, Philadelphia, \$238,600.00.

Schedule C—Wingohocking Sewer: Robert Lombardi, Lincoln Building, Philadelphia, \$280,450.

Schedule D—Sewers: Edward Fay & Son, 2 South Mole street, Philadelphia, \$51,969.74.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence and Store, S. E. Cor. of Twelfth and Poplar streets, \$9,500. Architect, private plans. Owner, Jacob Feldman, 5759 Cedar avenue, Philadelphia. Brick, three stories, 24x11x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Max Olvsky, 1309 North Sixth street, Philadelphia.

Consistory Building, Broad and Race streets, Philadelphia. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owners, Scottish Rite Hall, on prem-

ises. Reinforced concrete brick, cut stone, steel, 5 stories and basement, 180x100 feet, waterproofing, architectural terra cotta, ornamental iron work, iron stairs, floor hardener, tin-clad and kalamein doors, rolled steel sash and skylights, hollow metal sash, tile, marble and terrazzo work, metal lath, imitation stone, ornamental bronze work, scagliola (plumbing, sprinkler, fire hose, electric telephone wiring, heating, ventilating, stage equipment, elevators, decorations, lighting fixtures, carpet and floor covering, seats and

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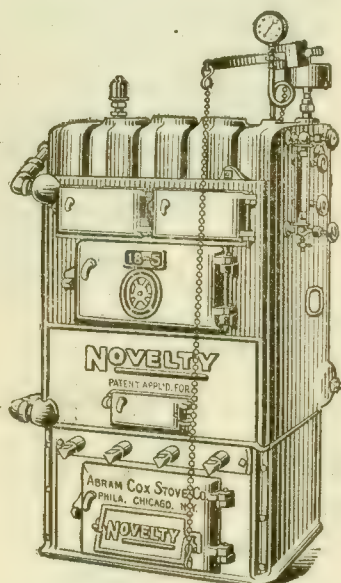
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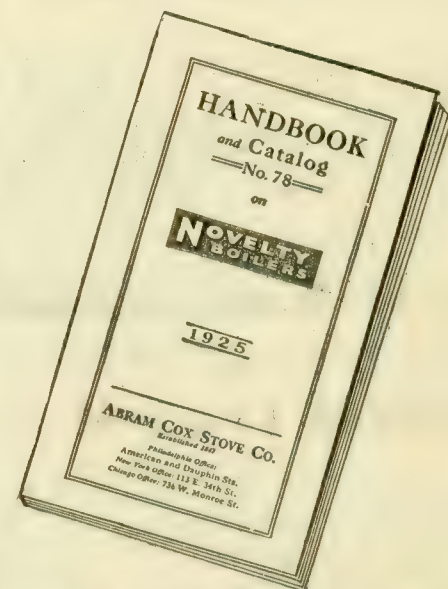
ney conditions, together with the proper amount of radiation and your good workmanship, automatically assures you a satisfactory heating job.

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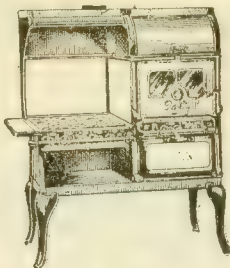
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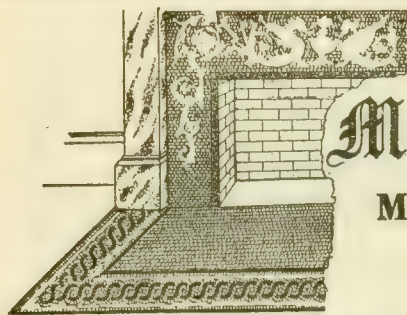
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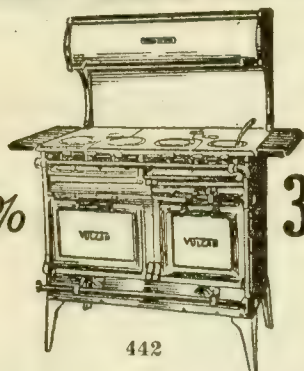
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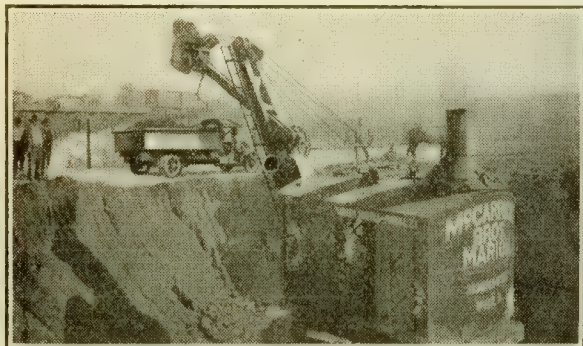


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furniture, window shades, screens, sewing room equipment, drinking water system all reserved). Contract awarded George A. Fuller, Morris Building, Philadelphia.

Building, Twenty-fourth and Wood streets, Philadelphia. Architect, Frank E. Hahn, Seventh and Chestnut streets, Philadelphia. Owners, Yellow Cab Co., Twenty-fourth and Wood streets, Philadelphia. Brick, reinforced concrete, steel, 2 stories, 90x90 feet, slag roof, cement and composition floors, painting and glazing, roof ventilators, metal lath, rolled steel sash, kalamein doors, bond, ornamental iron work (plumbing, heating, electric, fuel oil system reserved), metal toilet partitions, finished hardware, painting and glazing, sheet projected windows. Contract awarded Smith-Hardican Co., 1809 Callowhill street, Philadelphia.

Parochial School (superstructure), Wissinoming, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Bartholomew's Roman Catholic Church, Rev. Joseph J. Scanlon, on premises. Stone, cut stone, brick, steel, 2 stories and basement, 126x63 feet, wing 103x40 feet, slag roof, cement and maple floors, hollow tile, brick work, roof ventilators, waterproofing, ornamental iron work, iron stairs, bond, tin-clad and kalamein doors, hollow metal sash, tile, marble and terrazzo work, metal lath, metal toilet partitions, mackite, granite, caulking. Contract awarded Murphy-Quigley Co., 1524 Sansom street, Philadelphia.

Building No. 133 (alts. and repairs), Philadelphia Navy Yard, Philadelphia, \$29,381. Owners, United States Government, Commandant, Philadelphia Navy Yard, Philadelphia. Corrugated iron roofing and siding, concrete foundations and runways, structural steel, painting and glazing, steel sash, roof ventilators. Contract awarded Newport Cont. & Engr. Co., care of Mr. M. W. Galvin, Philadelphia Navy Yard, Philadelphia.

Factory, 916 Green street, Philadelphia. Owners, Atlas Elec. Co., J. J. McMahon, 1218 Hamilton street, Philadelphia. Architect, private plans. Brick, 2 stories and basement, 36x36 feet, slag roof, cement floors, concrete and cement, stone, masonry, brick work, iron work, metal doors, metal windows, hardware, plumbing, painting and glazing, bond, plastering, maple floors, wrought iron pipe, slag roof, rolled steel skylights. Contract awarded Farrell Roth Const. Co., 1624 Spruce street, Philadelphia.

Garage and Service Building, King street, Queen, Penn street, Philadelphia. Architect, William H. Lee, 1505 Race street, Philadelphia. Owner, Chester W. Rudisill, on premises. Brick, concrete, cast stone, steel, 1

story, 282x82 feet, slag roof, cement floors, painting and glazing, hardware, steam heat, electric light, rolled steel sash, ornamental iron work, plumbing, wrought iron pipe. Contract awarded Nelson Pedley Const. Co., Corn Exchange Building, Philadelphia.

Store (alts. to first floor), 1714 North Broad street, Philadelphia. Architect, private plans. Owners, Florence Realty Co., Yellow Drive It Yourself Car Co., on premises. Carpentry and mill work, cement work. Contract awarded Kober Const. Co., 34 South Seventeenth street, Philadelphia.

Alterations, 1101 Chestnut street, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Estate of Stephen Girard Building, on premises. Plumbing, carpentry and mill work, plastering, painting and glazing, plate glass. Contract awarded J. Myers Sons Co., Fifty-first and Lancaster avenue, Philadelphia.

Hospital Building, Broad and Ontario streets, Philadelphia. Architect, private plans. Owners, Samaritan Hospital, on premises. Reinforced concrete, limestone, terra cotta, brick facings, 2 stories, 34x89 feet, slag roof, vapor vacuum heat, electric light, fireproof partitions, rolled steel and wood sash, corrugated and light iron work. Contract awarded H. P. Schneider, 3713 Old York road, Philadelphia.

Church (alts. and add.), Oak Lane Park, Philadelphia. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owners, George H. Bickley Memorial Methodist Episcopal Church, Sixth and Cheltenham avenue. Carpentry, plastering, metal lath, painting, heating, lighting, alterations. Contract awarded A. Raymond Raff Cont. Co., 1635 Thompson street, Philadelphia.

Contract No. 21 B, Delaware River Bridge, Philadelphia. Owners, Delaware River Bridge Joint Commission, Widener Building, Philadelphia. Contract awarded F. J. Boas, 201 North Broad street, Philadelphia, \$766,212.

Contract No. 22, Philadelphia Approach, Delaware River Bridge, \$930,314.33. Owners, Delaware River Bridge Joint Commission, Widener Building, Philadelphia. Contract awarded Aechione & Canuso, 804 South Twelfth street, Philadelphia.

Post Office Building, Fifty-second and Florence avenue, Philadelphia. Owners, Messrs. Biddle & Baker, 730 South Fifty-second street, Philadelphia. Architect, William Lowenthal, 1208 Chestnut street, Philadelphia. Brick, cast stone, 1 story and basement, 139x90 feet, slag roof, maple floors, saw-tooth skylights. Contract awarded John N. Gill Co., City Center Building, Philadelphia.

Building (alts.), 1214-16 Locust street, Philadelphia. Architect, Ellery K. Taylor, 1416 Chestnut street, Philadelphia. Owners, Fox & McKenzie, care of architect. Changing interior partitions. Contract awarded A. B. Kister, 1204 Chancellor street, Philadelphia.

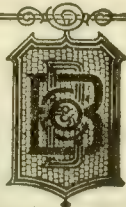
Bank Building (alts.), 1416 Chestnut street, Philadelphia, \$5,000. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Franklin National Bank, on premises. Brick work, concrete work, vault lights, painting and plumbing, steel, copper work, electric light, ornamental iron work. Contract awarded F. W. Van Loon, Perry Building, Philadelphia.

Garage, Northwest Corner Lincoln Drive and Mermaid Lane, Philadelphia, \$3,525. Architect, Robert Rodes McGoodwin, Sixteenth and Walnut streets, Philadelphia. Owner, George Woodward, 610 North American Building, Philadelphia. Stone, 1 story, 23x28 feet, cement floors, slate roof, electric work. Contract awarded to John E. Walt, 204 East Willow Grove avenue, Philadelphia.

Residence (alts.), 6425 Woodbine avenue, Philadelphia, \$2,000. Architect, Philip H. Johnson, 1713 Sansom street, Philadelphia.

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Owner, W. Freeland Kendrick, on premises. Cement work, stucco, slag roof, carpentry, mill work, plastering, general alterations. Contract awarded to E. E. Hollenback, 1804 Brandywine street, Philadelphia.

Residence (alts.), 2032 Locust street, Philadelphia. Architect, Ralph L. Goldberg, 1628 Chestnut street, Philadelphia. Owner, Mr. Iseberger, on premises. Contract awarded Charles Schnitzer, 4502 York road, Philadelphia.

Alterations and Additions, 115-117 North Nineteenth street, Philadelphia. Architect, Frank E. Hahn, Seventh and Chestnut streets, Philadelphia. Owner, Mr. W. Newman, on premises. Contract awarded George H. Evans, 103 North Thirteenth street, Philadelphia.

Office Building, Penrose and Girard Points, Philadelphia. Architect, Edward B. Lee, 1210 Chamber of Commerce Bldg., Pittsburgh, Pa. Owners, Gulf Refining Co., Widener Building, Philadelphia. Brick, hollow tile, concrete, 1 story, 137x38 feet, composition roof, oak and pine floors, hollow tile, plumbing, roof ventilators, painting and glazing, steam heat, electric light, metal lath, terrazzo work, ornamental iron work, wood piles, pre-cast concrete stone, metal toilet partitions, Byers or Reading wrought iron pipe. Contract awarded J. H. Terry, Drexel Building, Philadelphia.

Stores, 3657-59 Woodland avenue, Philadelphia. Architect, R. Glassgow, 3446 Walnut street, Philadelphia. Owners, Students' Store Co., on premises. Brick, steel, 2 stories and basement, 32x61 feet, slag roof, pine floors, electric light, painting and glazing, shoring, ornamental iron work, bond, hollow metal skylights, metal lath, store fronts. Contract awarded S. Sidney Lewis, Real Estate Trust Building, Philadelphia.

Store Building, 1311 Filbert street, Philadelphia, \$35,000. Architect, Edgar V. Seeler, Franklin Bank Building, Philadelphia. Owners, The Bulletin Company, Juniper and Filbert streets, Philadelphia. Brick, cut stone, concrete, steel, limestone, 2 stories, 63x38 feet, slag roof, cement and maple floors, plumbing, metal weather strip, shoring, brass pipe, steel pipe, ornamental iron, bond, hollow metal doors, galvanized iron skylights, marble work, metal lath. Contract awarded to Doyle & Co., 1519 Sansom street, Philadelphia.

Factory, Southeast Corner Third and New streets, Philadelphia, \$20,000. Architect, private plans. Owner, H. O. Wilbur, on premises. Brick, 4 stories, 27x55 feet, slag roof, electric light, steam heat, steel sash. Contract awarded to William Steele & Sons Co., 219 North Broad street.

Office Building, Northeast Corner Tabor avenue and Wakeling street, \$15,000. Owners, Keystone Brick Co., on premises. Brick, 2 stories, 58x27 feet, 20x15 feet, slag roof, pine floors, electric light, steam heat. Contract awarded to H. H. Hamilton, Greene and Cheltenham avenue, Philadelphia.

Office and Garage, Germantown avenue, South of Duval street, \$12,500. Owner, Eli Mervish, 6019 Market street, Philadelphia. Brick, 1 story, irregular shape, slag roof, cement and pine floors, electric light. Contract awarded to J. D. Fisher, 5426 Thompson street, Philadelphia.

Residence, West side Verree road, South of Naple street, \$6,000. Architect, private plans. Owner, Edmund Prichard, 2707 East Clearfield street, Philadelphia. Brick, 2 stories, 20x20 feet, hardwood and pine floors, electric work. Contract awarded to Thomas E. Andrest, 848 Friendship street, Philadelphia.

Residence, North side Cinnaminson street, East of Pechin street, \$4,500. Architect, private plans. Owner, J. Ferguson, 4451 Fleming street, Philadelphia. Brick, 2 stories, 14

feet 6 inches x 45 feet 6 inches, slag roof, electric lighting. Contract awarded to Perry W. St. John, 2008 Church Lane, Philadelphia.

Residences (15), West side Fifth street, North of Sixty-fourth avenue, \$122,000. Architect, private plans. Owners, Maurice E. and Fred D. Felt, 402 Cunard Building, Philadelphia. Brick, 3 stories, (1) 16x60 feet, (12) 19x36 feet, hot water heat, electric light, tile work, hardwood and pine floors. Contract awarded to Charles R. Davis & Son, 5600 North Fifth street, Philadelphia.

Store and Residence (add.), Northeast Corner Greene street and Washington lane, \$6,000. Architect, private plans. Owner, G. H. Smith, on premises. Brick, 1 story, 40x18 feet, and 1 story, 10x14 feet. Contract awarded to Edward M. Carney, Sixty-first and Sansom streets, Philadelphia.

Residence, Southwest Corner Loretto avenue and Fuller street, Philadelphia, \$6,000. Architect, private plans. Owner, Dewey J. Knowles, 5031 North Fifth street, Philadelphia. Frame, 1 story, 26x43 feet, shingle roof, hardwood and pine floors, hot water heating, electric lighting. Contract awarded to John E. Miller, Neshaminy Falls, Pa.

Residence, East side Lewis street, South of Warwick street, Philadelphia, \$4,200. Architect, private plans. Owner, Miss E. Carter, Somerton, Philadelphia. Frame, 2 stories, 26x24 feet, shingle roof, pine floors, electric light. Contract awarded to W. B. Bubeck, Somerton, Philadelphia.

Residence (add.), 15 East Mermaid lane, Philadelphia, \$2,300. Architect, private plans. Owner, Mrs. James F. Molloy, on premises. Brick, 2 stories add., 10x16 feet. Contract awarded to R. C. Borthwick, 6511 North Woodstock street, Philadelphia.

Store and Storage (add. and alts.), 508 North Ninth street, Philadelphia, \$5,900. Architect, private plans. Owner, Benjamin Cohen, 549 North Marshall street, Philadelphia. Brick, 3 stories add., 17x20 feet, general alterations. Contract awarded to B. Sherman, 1212 North Eighth street, Philadelphia.

Residence, South side Naple avenue, East of Rising Sun avenue, \$6,000. Architect, private plans. Owner, E. E. Montgomery, Verree Road, Philadelphia. Frame, 2 stories, 25x20 feet 5 inches, shingle roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Harold Stout, Cheltenham, Pa.

Residence, 7900 Lyons avenue, Philadelphia, \$5,000. Architect, private plans. Owner, Martha Priskoni, 7906 Lyons avenue, Philadelphia. Brick, 2 stories, 16x47 feet, 1 story, 16x12 feet, hot water heat, electric light.

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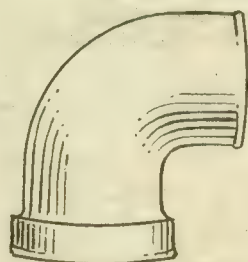
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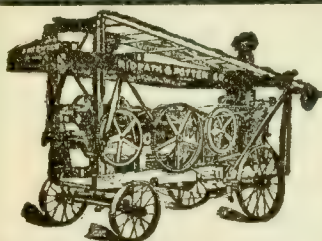
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Contract awarded to John Rae, 7834 Botanic avenue, Philadelphia.

Residences (3), 2001-03 Pratt street, Philadelphia, \$4,000. Architect, private plans. Owner, William Wener, 5203 Frankford ave-

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nue, Philadelphia. Brick, 1 story, 11 feet 6 inches x 17 feet, pine floors, slag roof, electric work. Contract awarded to Otto Malz & Son, 2002 North Fourth street, Philadelphia.

Residence and Store (alts.), 2734 East Allegheny avenue, \$3,750. Architect, private plans. Owner, Alex. Badiavnis, on premises. General alterations. Contract awarded to Joseph Curcillo, 2002 South Twelfth street, Philadelphia.

Residence and Store (add.), 2801 West Gordon street, \$3,150. Architect, private plans. Owner, J. Chekey, 1518 North Sixth street, Philadelphia. Brick, 1 story, 10x14 feet, slag roof, pine floors. Contract awarded to G. Altman, 324 East Eleanor street, Philadelphia.

Residence (add.), 2050 Pine street, Philadelphia, \$2,000. Architect, private plans. Owner, Dr. E. B. Drewhurst, 1906 Chestnut street, Philadelphia. Brick, 2 stories add., 9x9 feet. Contract awarded to A. P. Shade, 1312 North Fifty-ninth street, Philadelphia.

Residence (add.), 1736 Catherine street, Philadelphia, \$2,000. Architect, private plans. Owner, A. J. Sellers, on premises. Brick, 3 stories add., 10x20 feet. Contract awarded to W. H. Merrick, 1515 Catherine street, Philadelphia.

Residence, South side Solly avenue, East of Leon street, \$5,000. Architect, private plans. Owner, Thomas McKeon, 8200 Frankford avenue, Philadelphia. Brick, 2 stories, 16x50 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to C. Day, 2644 Rhawn street, Philadelphia.

Residence, East side Ditman street, South of Grant avenue, \$4,500. Architect, private plans. Owner, W. B. Smith, 7042 Torresdale avenue, Philadelphia. Brick, frame, 2 stories, 19x27 feet, hot water heat, electric light, pine floors. Contract awarded to C. Day, 2644 Rhawn street, Philadelphia.

Residence (add. and alts.), 6375 Church road, Philadelphia, \$4,000. Architect, private plans. Owner, H. V. Irvin, on premises. Stone, 1 story add., 16x25 feet, general alterations. Contract awarded to M. W. Young, 2037 North Sixty-third street, Philadelphia.

Apartment (alts. and add.), Northeast Corner Forty-ninth and Florence avenue, \$9,500. Architect, private plans. Owner, W. Kremer, on premises. Brick, 2 stories, 20x9 feet, general alterations. Contract awarded to J. Marshall, 2323 South Marshall street, Philadelphia.

Garage (add.), 2231-33 Carpenter street, Philadelphia, \$7,200. Architect, private plans. Owner, Henry O. Butler, 2229 Carpenter street, Philadelphia. Brick, 2 stories add., 30x35 feet, slag roof, cement floors. Contract awarded to George P. Bell, 1349 South May street, Philadelphia.

Garage, 1832-36 South Water street, Philadelphia, \$6,000. Architect, private plans. Owners, Seader Brothers, on premises. Brick, 1 story, 52x88 feet, slag roof, cement floors. Contract awarded to A. P. Lucker, Thirty-fourth and Haverford avenue, Philadelphia.

Apartment (alts. and add.), 1801 Wallace street, Philadelphia, \$14,000. Architect, private plans. Owner, L. Ostroff, Twenty-second and Race streets, Philadelphia. Brick, 1 story, 20x14 feet, general alterations. Contract awarded to Clyman Feldsher, 2407 South Marshall street.

Store and Residence (alts. and add.), 2752 Germantown avenue, \$13,000. Architect, private plans. Owner, M. J. Greenspan, on premises. Brick, 2 stories add., 14x35 feet, general alterations. Contract awarded to L. W. Shestack, 4729 North Ninth street, Philadelphia.

Residence and Store, Northeast Corner Thirteenth and Kenilworth streets, \$10,000. Architect, private plans. Owner, Samuel

Miller, 1847 North Thirty-third street, Philadelphia. Brick, 3 stories, 31x23 feet 6 inches and 16x11 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Benjamin Barnett, 948 North Sixty-sixth street, Philadelphia.

Garage, East side Mulberry street, South of Fillmore street, \$9,500. Architect, private plans. Owner, Harry Gelsman, 332 East Roosevelt Boulevard, Philadelphia. Brick, 1 story, irregular shape, slag roof, cement floors. Contract awarded to Tony Oliveri, 4518 Tackawanna street, Philadelphia.

Residence (add.), 2001 North Forty-ninth street, Philadelphia, \$4,250. Architect, private plans. Owner, James Edwards, on premises. Stone, 1 story add., 17 feet 4 inches x 17 feet 9 inches. Contract awarded to Hesswin Company, 2047 Arch street, Philadelphia.

Storage Building, 3858-60 North Lawrence street, Philadelphia, \$3,500. Architect, private plans. Owners, Blue Anchor Inn Beverage Co., Fifth and Rising Sun avenue. Brick, 1 story, 30x84 feet, slag roof, electric lighting. Contract awarded to Stewart Brothers Co., 2526 North Orkney street.

Residence (add.), 5931 West Thompson street, Philadelphia, \$3,500. Architect, private plans. Owner, Dr. Theo. Melnick, on premises. Brick, 1 story add., 22x14 feet, second story add., 5x4 feet. Contract awarded to William H. Cox, 1522 North Fifty-ninth street, Philadelphia.

Store, 523 Bainbridge street, Philadelphia, \$2,500. Architect, private plans. Owner, J. Pressman, 1211 Filbert street, Philadelphia. Brick, 1 story, 19x57 feet, slag roof, pine floors, electric work. Contract awarded to H. Klinger, 5140 Bainbridge street, Philadelphia.

Pennsylvania Construction News

Lodge Building (alts.), Center and Hardin streets, Shenandoah, Pa. Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owner, I. O. O. M., No. 1179, Shenandoah, Pa. Brick, three stories and basement, 30x70 feet, built up roof, composition and maple floors, stucco work, galvanized iron work, marquire, copper bulks, hot water heat, electric light, plumbing, tile and marble work. Working plans in progress, ready for bids in three weeks.

Superintendent's Cottage, Laurelton, Pa. Architect, Geo. S. Idell, 1510 Chestnut street, Philadelphia. Owners, Laurelton State for Feeble Minded, Laurelton, Pa. Local stone, 2½ stories, 38x60 feet, slate roof, hardwood floors, steam heat, electric light, tile work. Plans completed, ready for bids in a few days.

Cottages No. 5 and 6, Laurelton, Pa. Architect, Geo. S. Idell, 1510 Chestnut street, Philadelphia. Owners, Laurelton State Village for Feeble Minded, Laurelton, Pa. Stone, reinforced concrete, 2½ stories, 100x84 feet, capacity 105 patients each, slate roof, cement floors, steam heat, electric work. Plans completed ready for bids in a few days.

Wharton School, Swarthmore, Pa. Architect, private plans. Owners, Swarthmore College, Mr. Pittinger, Swarthmore, Pa. Remodeling Sections B and C in Wharton School. Owners taking bids, due July 1st.

Bank and Office Building, Baltimore and Lansdowne avenue, Lansdowne, Pa. Architects, Bunting & Shrigley, 603 Chestnut St., Philadelphia. Owners, Lansdowne Trust Co., Lansdowne avenue and Pennsylvania R. R., Lansdowne, Pa. Brick, cut stone, two stories and basement, 82x50 feet, wing 70x46 feet (heating and electric work reserved), Barrett specified roof, cement, cork and oak floors, hollow tile, painting and glazing, plumbing,

shoring, ornamental iron work, bond, bronze and kalamein doors, hollow metal skylights, solid metal sash, tile and marble work, metal lath, bluestone, granite, limestone, dumb-waiter, bronze bank partitions, Byers or Reading wrought iron pipe. Architects taking bids, due July 10th at noon.

Residence, Ardmore avenue and Tunbridge Road, Haverford Township, Pa. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, Walter J. Hallahan, on premises. Brick, concrete, cut stone, 2½ stories and 1½ stories, garage 43x25 feet, residence 114x30 feet, variegated slate roof, oak, pine and cement floors, painting and glazing, metal lath, tile and marble work, hollow metal sash, bond, ornamental iron work, surface waterproofing, flagstone, limestone, mineral wool. Architects taking bids, due July 10th.

Residences (development), Merwood, Delaware County, Pa. Architect, not selected. Owners, William H. Wilson & Co., 1617 Walnut street, Philadelphia. Stone, brick and hollow tile, development consists of 100 acres. Residences will cost from \$25,000 to \$35,000. Details undecided. Work contemplated.

Recreation Building, Sylvan Heights, Harrisburg, Pa. Architect, Paul Monaghan, 1713 Sansom street, Philadelphia. Owners, Sylvan Heights Orphanage, Harrisburg, Pa. New plans will be drawn.

Bridge, Church lane, Fernwood, Pa. Owners, Upper Darby Commissioners, Upper Darby, Pa. Work contemplated.

Apartment House and Dance Hall, Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owner, W. E. Rutherford, Allentown, Pa. Brick, steel, 3 stories, 120x160 feet, slag roof, pine or hardwood floors, electric light, iron stairs, roof ventilators. Plans in progress.

Factory, Wind Gap, Pa. Engineer, A. G. Bibighaus, 530 Hamilton street, Allentown, Pa. Owners, Kauffman Brothers, Wind Gap, Pa. Brick, steel, 2 stories and basement, 38x112 feet, slag roof, wood floors, freight elevators, waterproofing and dampproofing, fire doors, steel sash, vapor vacuum heat, electric light. Plans in progress. Architect will take bids next week.

Residence and Garage, Tunbridge road and College avenue, Haverford, Pa. Architect, not yet selected. Owner, Chester D. Rottner, Morris Building, Philadelphia. Stone, 2½ stories. Work contemplated will mature in six months.

American Legion Post House (alts. and add.), Royersford, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owners, American Legion, Main street, Royersford, Pa. Brick, 3 stories, 35x55 feet, will contain hall and apartments, slate roof, oak and maple floors, fireproof stairs, metal sash, bond (heating, plumbing, electric work separate). Plans in progress. Owners will take bids.

Theatre, Stores and Apartment, Willow Grove, Pa. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owners, Rothwell Co., care of E. Rothwell, Willow Grove, Pa. Brick, 2 stories, 108x200 feet, steam heat, electric light, tile work, slag roof, hardwood floors, metal bulks. Architect will soon take bids.

Residence, Wynnewood, Pa. Architect, R. A. Kerns, Fuller Building, Philadelphia. Owner, Nelson Hayden, Wynnewood, Pa. Hollow tile and stucco, 2½ stories, 40x70 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans in progress. Architect will sub-let.

Residences (4), Upper Darby, Pa. Architect, Charles J. Mitchell, 15 South Twenty-first street, Philadelphia. Owners, Yoder & Ehrentroub, care of architect. Concrete block,

stucco, 2½ stories, 24x30 feet, wing 10x13 feet, shingle roof, hardwood and pine floors, hot water heat, electric light, stone work, plumbing, cement. Plans completed. Owner will sub-let.

Residence and Garage, Wynnewood, Pa. Architect, G. Harmon Gurney, Bryn Mawr, Pa. Owner, J. H. McQuillen, on premises. New plans in progress. Architect will be ready for bids (new) in 10 days.

Residence and Garage, Bryn Mawr, Pa. Architects, De Armond, Ashmead & Bickley, 20 South Fifteenth street, Philadelphia. Owner, name withheld. Brick, 2½ stories, 45x28 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Plans in progress. Architect will take sub-bids due July 6th.

Double Houses (2), Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owner, William Seitz, 220 South Fulton street, Allentown, Pa. Brick, 2½ stories, 34x56 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Owner will build.

Church and Sunday School, Drexel Hill, Pa. Architect, John B. Thompson, 34 South Seventeenth street, Philadelphia. Owners, Grace Evangelical Lutheran Church, Drexel Hill, Pa. Stone, 2 stories, 40x80 feet. Working plans in progress. Will be ready for bids in one month.

Bank, Northumberland, Pa. Architects, Simons, Brittain & English, 929 Chestnut street, Philadelphia. Owners, Northumberland National Bank, Northumberland, Pa. Fireproof, 37x80 feet, steam heat, electric light, marble work, iron work. Owners taking bids due July 8th.

Warehouse, Pottsville, Pa. Architect, W. D. Hill, Pottsville, Pa. Owners, Yuengling Realty Co., Pottsville, Pa. Brick, 3 stories, built-up roof, maple floors, hollow tile, freight elevators, cold water painting, wire work, steel sash, metal lath, steam heat, electric light. Architect taking bids.

Easton Hall, Easton, Pa. Architects, Thomas, Martin & Kirkpatrick, Otis Building, Philadelphia; A. D. Chidsey, Easton, Pa. Owners, Lafayette College, Easton, Pa. Reinforced concrete, brick, cut stone, 3 stories and basement, 134x38 feet, metal lath, tile and marble work, hollow metal doors, bond, ornamental bronze, integral waterproofing, green Vermont slate, shingle roof, cement and linoleum floors, hollow tile, membrane waterproofing, flagstone, gypsum block, hardware, metal corner beads, ornamental plastering, paint and glazing. Certified check or bond for \$500. Architects taking bids due July 8th.

Richard McAllister Hotel, Hanover, Pa. Architect, W. L. Stoddart, 50 East Forty-first street, New York City. Owners, Community Hotel Co., George Hopkins, Hanover, Pa. Reinforced concrete, steel, brick, limestone, 5 stories and basement, 159x115 feet, slag roof, cement and oak floors, hollow tile, safety treads, metal window guards, shoring, dampproofing, architectural terra cotta, ornamental iron work, iron stairs, bond, copper covered and kalamein doors, rolled steel sash and skylights, tile and marble work, metal lath, integral waterproofing, modeling, ornamental plastering, rubber tile floors. Separate contracts will be awarded by the owners on following items: Miscellaneous shelving, finished hardware, electric fixtures, bath room accessories, papering and decorating, (3) elevators, screens, ice machine, refrigerators, mail chute, vacuum machinery, kitchen and lunch room equipment, connections. Allowance of \$30,000 made by general contractors for above items. Owners taking bids due July 10th.

Fire House, Marcus Hook, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Viscoes Co.,

Marcus Hook, Pa. Brick, cut stone, steel, reinforced concrete, 2 stories, 24x50 feet, variegated slate roof, maple, cement, composition floors, steam heat, electric light, painting and glazing, bond, floor hardener, ornamental iron work, granite, limestone, Karnak or equal waterproofing, caulking, plumbing, wrought iron pipe. Architects taking bids due July 2nd.

Office Building, Marcus Hook, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, The Viscoes Co., Marcus Hook, Pa. Stone, brick, reinforced concrete, cut stone, steel, 2 stories and basement, 129x51 feet, Barrett's Specification roof, cement and maple floors, hollow tile, hardware, painting and glazing, metal weather strip, waterproofing and dampproofing, ornamental iron work, iron stairs, bond, kalamein doors, tile and marble work, metal lath, Western waterproofing, vault doors, caulking. Architects taking bids due July 2nd. Architects are taking bids due July 2nd on electric work.

Plumbing and Heating, Marcus Hook, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Viscoes Co., Marcus Hook, Pa. Architects taking bids due July 2nd.

Residence and Garage, Ithan, Pa. Architects, De Armond, Ashmead & Bickley, 20 South Fifteenth street, Philadelphia. Owner, J. P. Hollingsworth, St. Davids, Pa. Stone, 2½ stories, 60x73 feet, garage, 26x21 feet, vapor heat, electric light, tile work, shingle roof, hardwood floors. Architects taking sub-bids.

Bunker Hill School, Orkville School, Pottsville, Pa. Architect, Frank Reilly, Pottsville, Pa. Owners, School Board of Pottsville, Pa. Brick, cut stone, limestone, 1 story and basement, 2 stories and basement, 60x70 feet, 135x60 feet (plumbing, heating, electric work separate), slag, asbestos shingle roof, pine, cement floors, metal lath, metal ceiling, waterproofing and dampproofing, ornamental iron work. Architect taking bids due July 8th.

Stores (5), Oakmont, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner, H. J. Rittenhouse, on premises. Cinder block and plaster, 1 story, 20x60 feet, slag and slate roof, pine and slate floors, hot air heat, electric light. Architects taking bids due July 3rd.

Painting and Fence, High School, Brookline, Pa. Owners, School Board, E. S. Morre, Upper Darby Branch, Upper Darby, Pa. Owners taking bids due July 13th at noon.

Bank, Nazareth, Pa. Architects, Mowbray & Uffinger, Inc., 221 West Fifty-seventh street, New York City. Owners, Nazareth National Bank, Nazareth, Pa. Brick, cut stone, steel, 1 story, mezzanine and basement, 89x41 feet, Barrett Specification roof, cement floors, plumbing, roof ventilators, metal window guards, dampproofing, ornamental iron work, iron stairs, bond, rolled steel sash, metal lath, steam heat, electric light, integral waterproofing, limestone, granite, ornamental plaster. Owners taking bids due July 7th.

Schools (improvements and repairs), Upper Darby, Pa. Owners, Board of Education, A. S. Garrett, president, Upper Darby, Pa. Owners taking bids due July 6th, 7 P. M. (Standard Time), at office of superintendent.

School Auditorium and Convent, Lenni road, Lenni, Delaware County, Pa. Architect, F. V. Nickels, 15 South Twenty-first street, Philadelphia. Owners, St. Francis de Sales, J. A. Dougherty, on premises. Architect ready for bids on heating.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Low bidders on work opened June 23rd:

Forest County, R-93, Hickory Township, 2,695 feet. Grading and drainage. J. E. Trunk, Clarion, Pa., \$20,629.97.

Fayette County, R-288, S-2, A-3056, North Union Township, 17,207 feet One course reinforced concrete. Donora Const. Co., Donora, Pa., \$168,591.16.

Delaware-Montgomery Counties, R-142, Radnor and Lower Merion Townships, 48,110 feet. Dual type—2 10-foot strips, one course reinforced concrete. Ambler-Davis Co., Philadelphia, \$411,939.70.

Fulton County, R-192-193, Dublin and Todd Townships, 43,218 feet. Grading and drainage. W. W. Harper Const. Co., Franklin, W. Va., \$87,699.28.

Huntingdon County, R-33, 55, Huntingdon Borough, 3,026 feet. One course reinforced concrete. A. A. Bollinger, Huntingdon, Pa., \$42,352.60.

Lebanon County, R-149, Jackson Township, 3,788 feet One course reinforced concrete. Juniata County, Empire Building, Philadelphia, \$33,925.06.

Warren County, R-88, Spur, Pittsfield and Freehold Townships, 4,768 feet. One course reinforced concrete. Forness & Tower, Olean, N. Y., \$51,952.00.

Venango County, R-91, Sec. 5, A-3367, Cranberry and Pine Grove Township, 27,219 feet. One course reinforced concrete. Rockford Const. Co., Rockford, Ohio, \$210,651.76.

Blair County, R-260, Frankstown Township, 5,790 feet. One course reinforced concrete. B. L. McKillip, Hollidaysburg, Pa., \$51,974.95.

Schuylkill County, R-140, S-4, A-3360, Pine Grove Township, Pine Grove Borough, 35,655 feet. Either bituminous surface course on concrete foundation or one course reinforced concrete. Capital Const. Co., Des Moines, Iowa, \$297,142.10.

Monroe County, R-167, A-2195, East Stroudsburg Borough, 6,396 feet. Either bituminous surface course on concrete foundation or vitrified brick pavement. Warren Brothers Co., Boston, Mass., \$104,707.23.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Owners taking bids due July 7th at 10 A. M.

Armstrong-Indiana Counties, R-189, Sec. 3, Cowanshannock and South Mahoning Townships, 32,746 feet. One course reinforced concrete. Certified check, \$4,000.

Blair-Cambria Counties, R-53, Sec. 1, Juniata, Cresson, Allegheny Townships, Cresson Borough, 15,630 feet. One course reinforced concrete. Certified check, \$3,000.

Bucks County, R-281, Falls Townships, 2,412 feet. One course reinforced concrete. Certified check, \$1,500.

Butler County, R-73, Slippery Rock Borough, 1,512 feet. One course reinforced concrete. Certified check, \$1,500.

Cambria County, R-276, Sec. 6, A-3258, Conemaugh Township, 6,721 feet. One course reinforced concrete and hillside vitrified brick. Certified check, \$2,000.

Chester County, R-142, Sec. 2, East Caln and West Whiteland Townships, 18,200 feet. Dual type, 2 10-foot strips of one course reinforced concrete. Certified check, \$3,000.

Erie County, R-85, A-3420, Conneaut Township, 6,895 feet. Either bituminous surface course on concrete base or one course reinforced concrete. Certified check, \$2,000.

Huntingdon County, A-2828, Carbon Township, 8,349 feet. Bituminous macadam penetration method on a broken stone base. Certified check, \$2,000.

Lehigh County, R-158, A-2931, Upper Milford Township, Emaus Borough, 29,905 feet. One course reinforced concrete. Certified check, \$4,000.

Lycoming County, R-20, Sec. 7, Old Lycoming and Loyalsock Townships, 9,960 feet. One

course reinforced concrete. Certified check, \$2,000.

Montgomery County, A-2696, Upper and Lower Pottsgrove, New Hanover Townships, 29,225 feet. One course reinforced concrete. Certified check, \$4,000.

Washington County, R-108, Sec. 1-A, Cecil and North Strabane Townships, 1,072 feet. One course reinforced concrete. Certified check, \$1,500.

Pennsylvania Contracts Awarded

Fire House, Diamond and Cleveland Sts., Hazleton, Pa. Architect, John B. Thompson, 34 South Seventeenth street, Philadelphia. Owners, City of Hazleton, Hazleton, Pa. Brick, limestone, two stories and basement, 30x70 feet, built up roof (heating, plumbing, electric reserved). Contract awarded to Itter Bros., Hazleton, Pa. Plumbing and heating to C. A. Sherry, Hazleton, Pa. Electric, Novotone Electric Co., Hazleton, Pa.

Fire House, Verner avenue and East Court street, Hazleton, Pa. Architect, John B. Thompson, 34 South Seventeenth street, Philadelphia. Owners, City of Hazleton, Hazleton, Pa. Brick, limestone, two stories and basement, 30x70 feet, built up roof (heating, plumbing, electric reserved). Contract awarded to Itter Bros., Hazleton, Pa. Plumbing to J. L. Turnback, Hazleton, Pa. Heating, C. A. Sherry, Hazleton, Pa. Electric, Novotone Electric Co., Hazleton, Pa.

Freight Office, Lancaster, Pa. Architect, Samuel T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Reading & Columbia Railroad, Twelfth and Market streets, Philadelphia. Brick, steel, 2 stories and basement, 30x48 feet, asbestos built-up roof, cement and pine floors, plumbing, hot water heat, electric light, metal lath, rolled steel sash, fire doors, bond, ornamental iron work, metal lockers, wrought iron pipe, dumb waiters, terra cotta coping. Contract awarded H. Wohlsen, Lancaster, Pa.

Concrete Trestle (coal yard), Fern Rock, Pa. Architect, Samuel T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Reinforced concrete steel, carpentry. Contract awarded Pennsylvania Engr. & Const. Co., Real Estate Trust Building, Philadelphia.

Service Building and Locker Room, Rutherford, Pa. Architect, Samuel T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Brick, concrete, steel, 1 story, 55x11 feet, built-up asbestos roof, asphalt floors, plumbing, steam heat, electric light, ornamental iron work, terra cotta coping. Contract awarded Central Const. Co., Harrisburg, Pa.

Bridge No. 40-93, West of Hershey, Pa. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Contracts awarded: Super structural steel, McClintock-Marshall Morris Building, Philadelphia. Concrete, R. Shoemaker, Harrisburg, Pa.

Overhead Bridge, on line of Washington lane, South of Jenkintown. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Steel, concrete. Contracts awarded: Substructure, Fish-Rutherford, 2315 Walnut street, Philadelphia; superstructure, Belmont Iron Works, Twenty-second and Washington avenue, Philadelphia.

High Schools, Collingdale, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owners, Collingdale School Board, Collingdale, Pa. Contracts awarded: Wills-Bill Co., 1706 Sansom street, \$36,936. Heating, American Heating & Ven-

tilating Co., 1505 Race street, Philadelphia, \$9,033. Electric, Strang Elec. Co., 214 South Seventh street, Philadelphia, \$1,811.

School (Glenside Weldon), Glenside, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Board of Education, Abington Township, Montgomery County, Pa. Concrete and cement work, brick work, iron work, carpentry and mill work, composition floors, hardware (plumbing, heating and electric work, ventilation reserved). Contract awarded I. Demarest, 1935 Stenton avenue, Philadelphia, \$16,890. Deduct for metal ceilings, \$450.

Church, McKeesport, Pa., \$300,000. Architects, Charles W. Bolton Sons, Schaff Building, Philadelphia. Owners, First Methodist Episcopal Church, G. F. Myers, McKeesport, Pa. Stone, 1½ stories and basement, 33x110 feet, 1 story, 50x80 feet, slate roof, hardwood floors, steam heat, electric light. Contract awarded Edward A. Wehr, Highland Building, Pittsburgh, Pa.

Church and Sunday School, Warren, Pa., \$300,000. Architects, Charles W. Bolton & Son, Schaff Building, Philadelphia. Owners, First Methodist Episcopal Church, Rev. C. P. Gear, Warren, Pa. Stone, 3 stories and basement, 200x115 feet, electric light, stained glass, steam heat, pine floors. Contract awarded L. O. Boquin, Oil City, Pa.

Church, Bloomsburg, Pa. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Bloomsburg Evangelical Congregation, Rev. A. Ward Campbell, Bloomsburg. Stone, brick, 1 story and basement, slate roof, hardwood floors, steam heat, electric light, tile and marble work. Contract awarded H. A. Moore, Milton, Pa.

Stadium, Easton, Pa. Architect, H. C. Booz, 1138 Commerce Trust Building, Philadelphia. Owners, Lafayette College, Gibson Boerick, 1429 Walnut St., Phila., chairman Athletic Committee. Reinforced concrete. Contract awarded the Edward Dunn Co., Greensburg, Pa.

Residence (alts.), Haverford, Pa. Architects, Stewardson & Page, 315 South Fifteenth street, Philadelphia. Owner, Thomas McKean, on premises. Carpentry and mill work, plastering, 2½ stories, painting and glazing. Contract awarded to Gray Brothers, Rosemont, Pa.

Demolition of Building, New Mill Building, Bloomsburg, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Magee Carpet Co., Bloomsburg, Pa. Contract awarded H. A. Moore, Milton, Pa.

Interior Paneling for Residence, Wyncote, Pa. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, George Horace Lorimer, Esq., on premises. Walnut and oak paneling, peak wood floors, ornamental plaster. Contract awarded G. Gerald, 19 South Sixteenth street, Philadelphia.

Junior High School (alts.), Easton, Pa. Architect, E. H. Wenzelberger, 224 Northampton street, Easton, Pa. Owner, School Board of Easton, Easton, Pa. General alterations. Contract awarded to F. J. Lerch & Co., 134 South Third street, Easton, Pa.

School, Bechtelsville, Berks County, Pa. Engineer, A. J. Bibighaus, 530 Hamilton street, Allentown, Pa. Owners, Bechtelsville School Board. S. B. Hummelberg, Bechtelsville, Pa. Brick, 1 story, concrete roof and floors, hot air heat, electric work. Contract awarded to R. Fromheiser, Barto, Berks County, Pa.

Junior and Senior High School, Wayne, Pa. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, School District of Radnor Township, E. E. Trout, Radnor, Pa. Contract awarded M. Melody & Son, 1322 Race street, Philadelphia, \$418,500, add \$3,000.

Construction of Driveway Through Arch on Bridge No. 17-17, West Sheridan, in Lebanon Valley, Railroad District. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Contract awarded H. E. Wagner, Harrisburg, Pa.

Residence, Haverford, Pa. Architects, Charles Barton Keen & Wallace, 338 South Smedley street, Philadelphia. Owner, C. E. Mathers, care of architect. Frame, brick, 2½ stories, 23x50 feet, wood shingle roof, hardwood floors, hot water heat, electric light, marble work. Contract awarded M. W. Young, 2037 North Sixth street, Philadelphia.

Twin Houses, Collegeville, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, Harry Mathieu, Collegeville, Pa. Brick, concrete, 2 stories, 36x36 feet, asbestos roof, yellow pine floors, Morgan doors, steel and wood sash, terra cotta flues (heating, plumbing, electric work separate). Contract awarded to H. W. Brown, Collegeville, Pa.

School Building (add.), Yeadon, Delaware County, Pa. Architects, Davis, Dunlap & Barnev, 1805 Walnut street, Philadelphia. Owners, School Board of Yeadon, G. R. Anderson, Delaware County, Pa. Contract awarded Barclay White Co., 1713 Sansom street, Philadelphia.

Bank and Office Building, Wilkes-Barre, Pa. Architects, Simons, Brittain & English, 929 Chestnut street, Philadelphia. Owners, Heights Deposit Bank, J. H. Shea, president, Wilkes-Barre, Pa. Brick, stone, steel, hollow tile, 3 stories, basement and mezzanine, 40x85 feet, steam heat, electric light, iron work. Contract awarded Simons, Brittain & English, 929 Chestnut street.

Passenger and Freight Station, Lansford, Pa. Architect, C. M. Lovelace, Bethlehem, Trust Building, Bethlehem, Pa. Owners, Lehigh & New England Railroad, Bethlehem, Pa. Brick, steel, 2 stories, 40x60 feet. Contract awarded to F. F. Speck Const. Co., Bethlehem, Pa.

Almshouse, Nazareth, Pa. Architect, E. H. Wenzelberger, 224 Northampton street, Easton, Pa. Owners, Northampton County, R. D. Walter, County Commissioner, Court House, Easton, Pa. Brick, fireproof, 2 stories, 160x116 feet, slag roof, terrazzo and pine floors, iron stairs, metal lath, waterproofing and damp-proofing. Contract awarded to Ochs Const. Co., 440 Wire street, Allentown.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Allegheny County, Route 187, Sec. 28, Patton Township, 24,489 feet. One course reinforced concrete, \$254,361.98. Contract awarded to F. F. Hallam & Son, Fairmont, W. Va.

Allegheny County, Route 257, North Fayette Township, A-3174, 18,100 feet. One course reinforced concrete, \$170,977.71. Contract awarded to Tillman Construction Co., Chicago, Ill.

Forest County, Route 92, Green Township, Sec. 1, 15,688 feet. One course reinforced concrete, \$151,444.70. Contract awarded to Milligan & Ringler, Blairsville, Pa.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Berks County, Route 149, Womelsdorf Borough, 2,158 feet. Either bituminous surface course on concrete foundation or one course reinforced concrete. \$32,454.25. Contract awarded to DuBois Construction Co., DuBois, Pa.

New Jersey Construction News

Residences (2), 1040-44 North Thirty-fifth street, Camden, N. J., \$8,000. Architect, pri-

vate plans. Owner, George Gmeiner, 914 S. Fifth street, Camden, N. J. Frame, 1½ stories, 24x34 feet, rubberoid shingle roof, hot water heat, electric light. Owner will build.

Bank, Glassboro, N. J., \$35,000. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owners, Glassboro Trust Co., E. Mortimer Duffield, President, Glassboro, N. J. Brick, stone, steel, one story, electric light, hardwood floors, tile and marble work. Plans in progress, ready for bids in two weeks.

Bank (alts. and add.), Virginia and Atlantic avenues, Atlantic City, N. J. Architect, Chas. H. Adams, Chelsea Bank Building, Atlantic City, N. J. Owners, Atlantic County Trust Co., Atlantic City, N. J. General alterations and additions. Plans in progress.

Undertaking Establishment (add and alts.), Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Ivins & Taylor, 225 East State street, Trenton, N. J. Preliminary plans in progress.

Boiler House and Laundry, Trenton, N. J. Architect, Wm. A. Klemann, First National Bank Building, Trenton, N. J. Owners, St. Francis' Hospital, Chambers and Hamilton streets, Trenton, N. J. Fireproof, two stories and basement, 40x80 feet, slag roof, concrete floors, roof ventilators, water and damp-proofing, iron stairs, fire doors, rolled steel sash, steam heat, electric light. Plans in progress.

Bank (alts. and add.), South Broad street, Trenton, N. J. Architect, Wm. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Mercer Trust Co., Broad and Market streets, Trenton, N. J. Stone, one story, 43x60 feet, slag roof, tile floors, roof ventilators, metal window guards, ornamental iron work, vault, general interior alterations, skylights, steel sash, tile and marble, heating extension, electric light. Architect ready for bids.

Sunday School, Hightstown, N. J. Architect, Wm. A. Klemann, First National Bank Building, Trenton, N. J. Owners, First Baptist Church, Hightstown, N. J. Brick, steel, two stories and basement, 42x86 feet, slate roof, pine floors, hot water heat, electric light, tile work, skylights. Architect ready for bids, due about July 3rd.

Garage and Stable, Barclay and Jefferson streets, Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, City of Trenton, Department of Public Works, Trenton, N. J. Brick, steel, concrete, two stories, 125x125 feet, slag roof, concrete floors, elevators, roof ventilators, water and damp-proofing. Owners taking bids, due July 3rd.

Fire House, Haddon Heights, N. J. Architect, Edgar A. Wightman, Bankers' Trust Building, Philadelphia. Owners, Fire Department, Haddon Heights Township, N. J. Owners taking bids, due July 7th.

Undertaker Establishment, 15 South Indiana avenue, Atlantic City, N. J. Architect, Lloyd Titus, Hotel Brighton, Atlantic City, N. J. Owner, J. Bunker Plum, on premises. Brick, cut stone, steel, two stories, 150x40 feet, composition roof, cork tile and cement floors, damp-proofing, ornamental iron work, bond, tin clad doors, tile, marble work, metal lath, hot water heat, electric light, limestone. Architect taking bids, due July 9th.

Schools (2), Pitman, N. J. Architects, Ritter & Sharp, Packard Building, Philadelphia. Owners, School District of Pitman, N. J. Brick, cut stone, two stories and basement, 110x64 feet each, composition, cement and maple floors, hollow tile, plumbing, roof vents, damp-proofing, ornamental iron work, bond, kalamein doors, metal lath, electric light, steam heat, wrought iron pipe, rolled steel sash. Owners taking bids, due July 8th, 7 P. M. (S. T.).

Road Work, New Jersey. Owners, Hopewell Township Committee, David M. Voor-

hees, Clerk, J. W. Hart's Hall, Hopewell, N. J. Engineers, Sincerbeaux & Moore, Trenton, N. J. Bituminous penetration macadam pavement, Pennington-Princeton Road, Hopewell Township, N. J. Owners taking bids, due July 6th at 7 P. M. (S. T.), at J. W. Hart's Hall, one mile north of Pennington on the Pennington-Hopewell Road. Deposit of \$10.00 required. Certified check for 10% of bid required.

Bridges (5), Nos. F31, 32, 33, 34, 37, Elton-Adelphia Road. **Bridge (1)**, No. Mn-52, Tennent-East Freehold Road, Freehold, N. J. Owners, Board of Chosen Freeholders of the County of Monmouth, Bryan B. Newcomb, Director, Court House, Freehold, N. J. Removal and disposition of present structures and construction of new culverts complete in every detail. Owners taking bids, due July 8th at 11 A. M. (Daylight Saving Time). Deposit of \$10.00 required (refunded). Certified check for 10% of bid required.

Bridges (2), Burlington County, N. J., Route 2, Section 8. Owners, State Highway Commission, A. Lee Grover, Secretary, Broad Street Bank Building, Trenton, N. J. Concrete I beam span, 40 feet roadway over Pompton Creek. Concrete 15-foot span, 40 feet roadway over Swedes Run. Low bidder, J. M. Everett, Hackettstown, N. J., \$17,183.65.

Road Work, New Jersey. Owners, State Highway Commission, Broad Street Bank Building, A. Lee Grover, Secretary, Trenton, N. J. Route 2, Section 8, Bridgeboro to Pensauken, Burlington County, 64,363 square yards sheet asphalt pavement. Low bidders, Union Paving Co., Thirtieth and Locust Sts., Philadelphia, \$83,028.27.

Route 4, Section 31, Tuckerton to New Gretna, Burlington and Ocean Counties, excavation, reinforced concrete pavement. Low-

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est bidder, Michael Staub, Pitman, N. J., \$303,510.42.

New Jersey Contracts Awarded

Residence, 1540 Kaighn avenue, Camden, N. J., \$26,000. Architect, private plans. Owner, Charles Kaufmann, 1299 Kaighn avenue, Camden, N. J. Stone and brick, 2½ stories, 40x30 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to R. A. Van Cleave, Drexel Hill, Pa.

Schools (2) (add.), Watson town and Clementon, N. J. Architect, Thomas Stephen, Temple Building, Camden, N. J. Owners, Board of Education, G. E. Mayberry, Clerk, Clementon, N. J. Reinforced concrete, brick, cast stone, cut stone (plumbing, heat, electric separate), slag and champman slate roof, maple, pine and cement floors, Clementon, two stories and basement, 61x39 feet; Watson town, two stories and basement, 61x39 feet. Contract awarded to Fred Lange, Audubon, N. J., \$81,000; plumbing, awarded to C. Leopold, Clementon, N. J., \$2,830; electric awarded to Franks & Sweeney, 1258 Haddon avenue, Camden, N. J., \$4,200. Heating and ventilating on Clementon awarded to H. Knecht, Collings wood, N. J., \$7,825; on Watson town to Mechanical Equipment Co., Philadelphia, \$4,374.

Residences (58), Store and Residence (1), 1000-70 and 1021-71 Langham avenue, Camden, N. J., \$185,000. Architect, Benj. Brown, Guarantee Trust Building, Atlantic City, N. J. Owners, Herbert V. Realty Co., 504 Market street, Camden, N. J. Brick, two stories (1) 16x56 feet, (58) 14x42 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Max Goldich, 504 Market street, Camden, N. J.

Store and Residence (1), Residence (1), 1450-52 South Ninth street, Camden, N. J., \$13,000. Architect, private plans. Owner Louis Kirkis, 937 East Moyamensing avenue, Philadelphia. Brick, two stories, store and residence, 16x63 feet, residence 14 feet 6 inch x 42 feet, slag roof, hot water heat, electric light. Contract awarded to Wm. C. Magee, 315 Cattell avenue, West Collingwood, N. J.

Residences (2), 823-77 Lois avenue, Camden, N. J., \$4,500 each. Architect, private plans. Owners, King & Wark, 905 North Thirtieth street, Camden, N. J. Frame, 1½ stories, 24x34 feet, slate surface roof, hot air heat, electric light, wood floors. Contract awarded to Isaac King Sons Co., 822 Beideman avenue, Camden, N. J.

Residence, 526 North Thirty-fourth street, Camden, N. J., \$4,500. Architect, private plans. Owner, F. J. Whitcraft, Camden, N. J. Stucco and block, two stories, 20x33 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Thomas Tolbert, 5503 Westfield avenue, Merchantville, N. J.

Miscellaneous Construction News

Women's College Buildings, Durham, N. C. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Duke University, Durham, N. C. Brick, cut stone, concrete, steel, steam heat, electric light, metal lath, tile, marble and terrazzo work, rolled steel skylights, hollow metal doors, bond,

ornamental iron work, iron stairs, green slate, slag tile roof, cement and oak floors, metal book stacks, kitchen equipment, refrigeration plant, refrigerators, plumbing, flagstone, limestone, granite, membrane waterproofing, dumb waiter, painting and glazing, hardware, wrought iron pipe. Auditorium, one story and basement, 98x87 feet; union building, two stories and basement, 222x138 feet; Library, two stories and basement, 139x106 feet; Science Building, three stories, 178x112 feet; Class Room Building, two stories and basement, 178x48 feet, two wings 61x33 feet; Apartment House Building, three stories and basement, 178x56 feet, wing 42x27 feet, wing 68x74 feet; Dormitory Buildings, 1, 2, 3, 4, 5, three stories and basement, 178x56 feet, wing 66x69 feet, 4 buildings, 178x56 feet, wing 62x27 feet, 3 three stories and basement. Owners taking bids, due July 14th.

Residences and Garage, Louisville, Ky. Architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owner, Brent Arnold, Louisville, Ky. Stone, irregular, hot water heat, electric light, tile work, tile roof, hardwood floors. Plans in progress.

Apartment, Delaware and Union avenues, Wilmington, Del., \$65,000. Architect, private plans. Owner, Guy R. Ford, Ford Building, Wilmington, Del. Brick, stone, three stories, 70x68 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Infirmary Building, Dover, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owners, Elizabeth W. Murphey School, Ins., Dover, Del. Fireproof, hollow tile, ornamental iron work, one story, 45x80 feet, tile roof, composition floors, tile and marble, metal lath, heating extension, electric light. Contract awarded to W. E. Booth & Sons, Salisbury, Md.

Residence (alts. and add.), 2602 West Nineteenth street, Wilmington, Del., \$5,100. Architect, private plans. Owner, Leroy W. Hickman, on premises. Brick and frame, 22x12 feet, general alterations. Contract awarded to W. F. Hadley, Claymont, Del.

Restaurant (alts.), 817 Market street, Wilmington, Del. Architect, private plans. Owners, Presto Lunch Room, 817 Market street, Wilmington, Del. General interior alterations. Contract awarded to F. G. Krapf, 421 Orange street, Wilmington, Del.

THE SUB-CONTRACTOR AND HIS CONNECTION WITH THE BUILDING INDUSTRY

BY R. W. RAFTIS

The sub-contractor is, or should be, a highly trained and experienced specialist in the branch of building in which he is engaged. Eventually the time will come when he will be referred to by his proper title, to-wit: () engineer. The prefix to the title being the particular trade or craft of the industry to which he subscribes, such as: Heating, plumbing, ventilation, fireproofing engineer, etc.

Apart from this element of the situation, it has come to pass that few sub-contractors (so called) give their best bid nor do they even approach it, previous to the awarding of the main con-

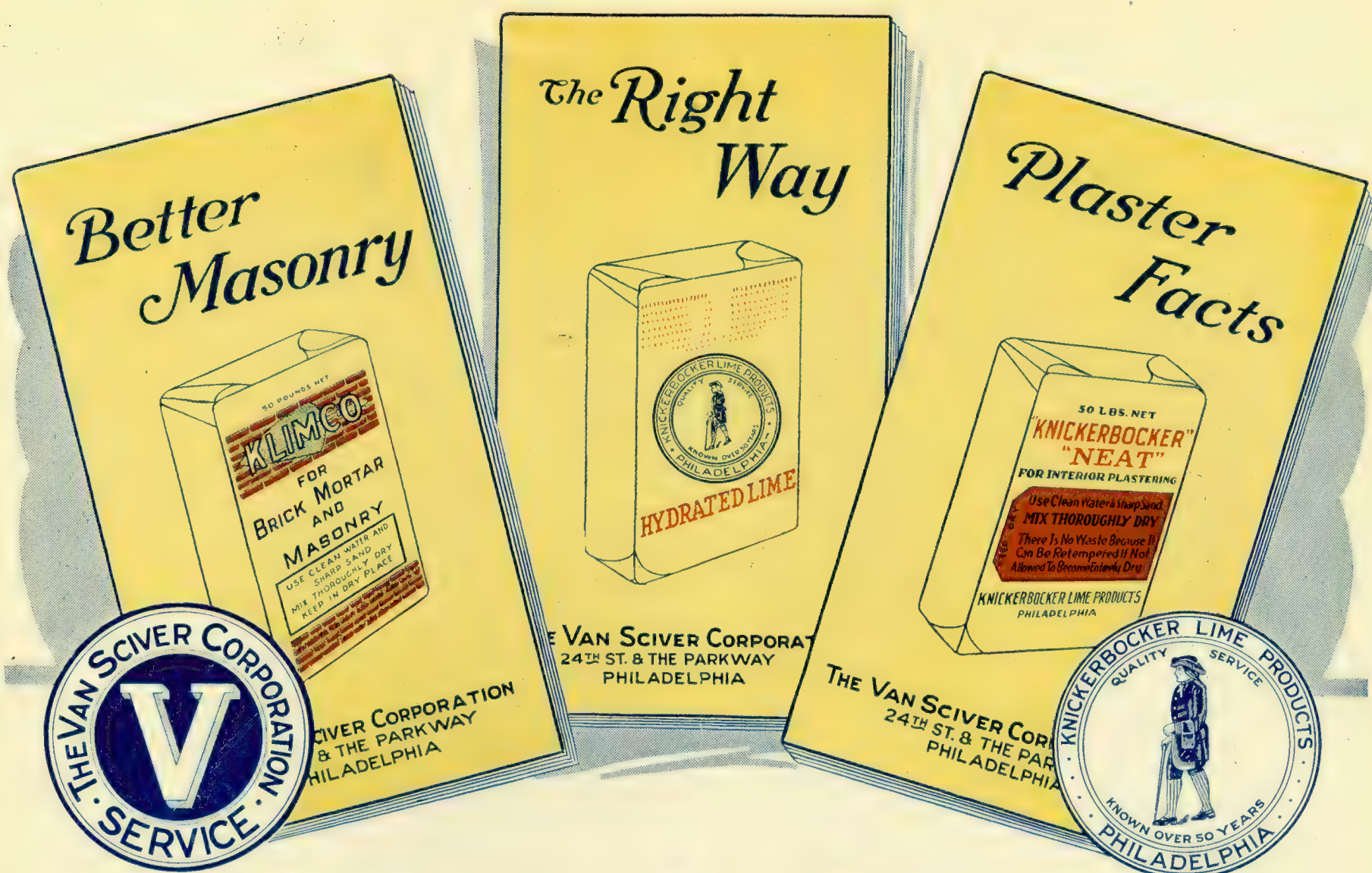
tract. Consequently the general contractors, in self-defense, takes the bids high and low, measures the qualifications of the individuals or firms and, together with his own knowledge of the business, strikes an average. He then cuts that five or ten per cent. and the result is incorporated in his own estimate. (He expects, of course, to glean a little more at the time of letting the sub-contracts.)

The feature of this practice that I believe is all wrong on the part of the general contractor is: After arriving at a set-up price, due to a survey of the bids received, he very often accepts bids for the second and third time (this applies to some architects and plenty of owners) and then informs the actual low bidder at that stage that he has a lower bid, but does not say that the lower bid is the one that he, himself, has made up and upon which he has determined as all that he will pay for the work to be let, regardless of the merits of his estimate. Sometimes he states that he can let the work for such and such an amount. Perhaps he can and does, but the inference is that he *has* such an offer and not wishing to question his honesty or ability, the sub-contractor is placed in the position of either accepting an offer that is insufficient for the service to be rendered, or of refusing the contract.

Of course the sub-contractor, like the general contractor, wishes to get all that he can for his services. Some of the first-named folks do not set a high enough value on that which they have for sale. Others expect too much and then again we find some who have kept pace or even got acquainted with the efficiency of the times and figure values up or down according to the workings of their incomplete knowledge of the craft.

It is my belief that the sub-contractor who wishes to make the greater distance in the world is the one who, first of all, learns his particular craft in all of its branches from top to bottom. Beginning at the bottom he strives for greater efficiency in all component parts and, after that, improves on all that he has ever learned or anybody else in the game knows, and arriving at this stage of the journey he will then set the proper value on his services and make up reasonable and fair estimates in accordance with the knowledge gained and his value to the industry, and stand by these estimates, come what may.

The sub-contractor who makes this voyage successfully will soon learn that the successful general contractor will value the same service to the same extent and measure and the *auction* of the inefficients and bargain drivers, so far as his services are concerned, will come to an end.—*Bulletin, Association Building Contractors of Illinois.*



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Reference Directory for Architects, Builders and Owners

ARTESIAN WELLS.

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES.

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

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Blue Print Shop.1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

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Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS.

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

BRICK.

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.

BRICK (Face, Common, Paving).

Holloway Corporation.105-107 S. Third St., Phila.

Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS.

Mitchell Bros.2125 Race St., Phila.

BUILDING BLOCKS.

Schnitzler & Wilt.Morton, Pa.

BUILDING NEWS.

Daily Building News.Perry Bldg., Phila.

BUILDERS' SUPPLIES.

Camden Materials Co.1345 Pine St., Camden, N. J.

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT.

Camden Materials Co.1345 Pine St., Camden, N. J.

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK.

D'Lauro, John55 E. Mermaid Lane, Phila.

Harsch, Wm. F.Narberth, Pa.

Massiah, Frederick. Juniper and Cypress Sts., Phila.

Massiah, Frederick. Juniper and Cypress Sts., Phila.

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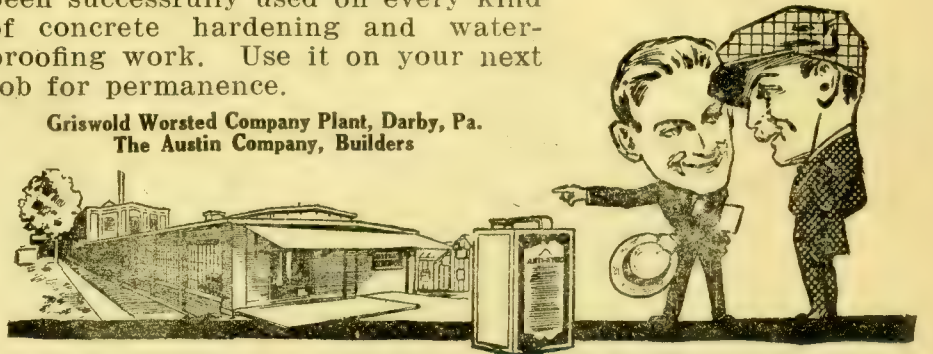
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Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XL, No. 27
July 8, 1925

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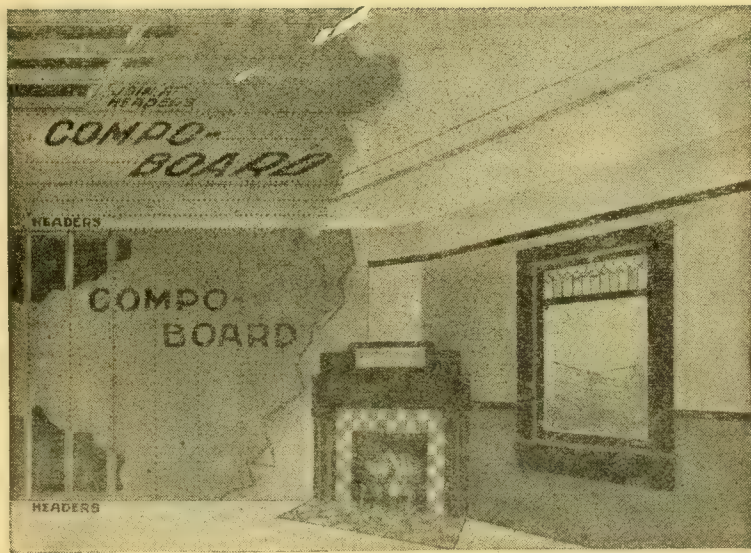
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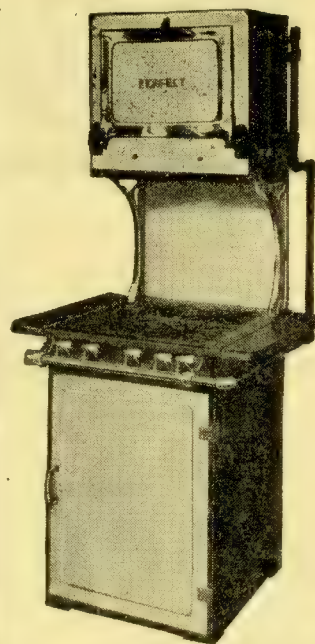
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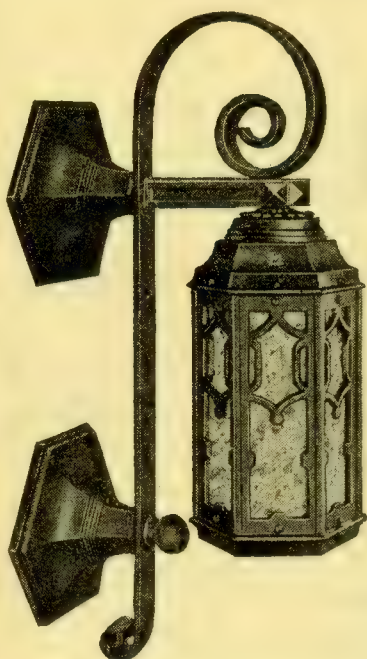
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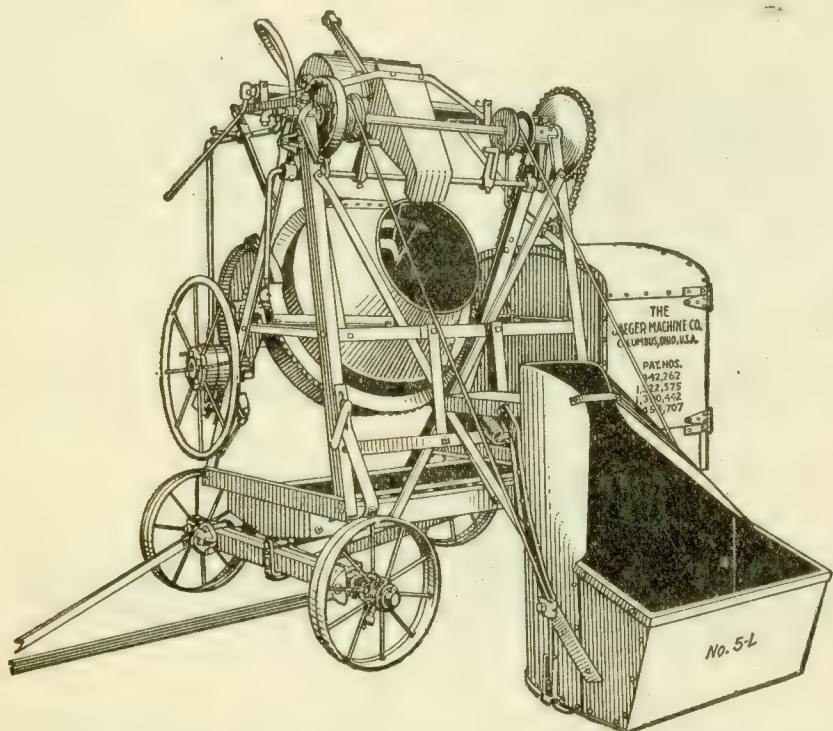
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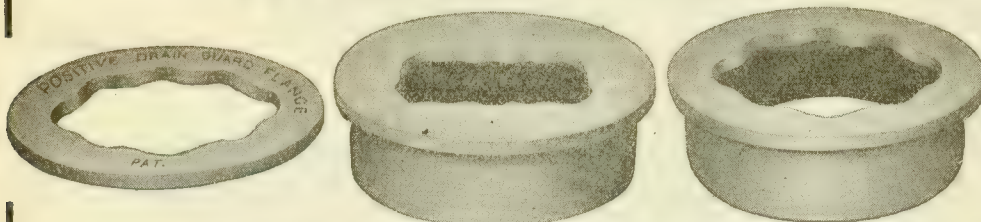
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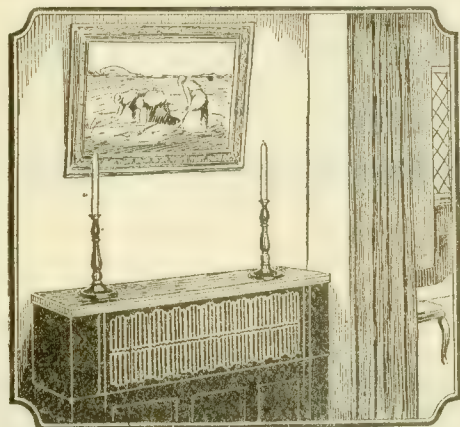
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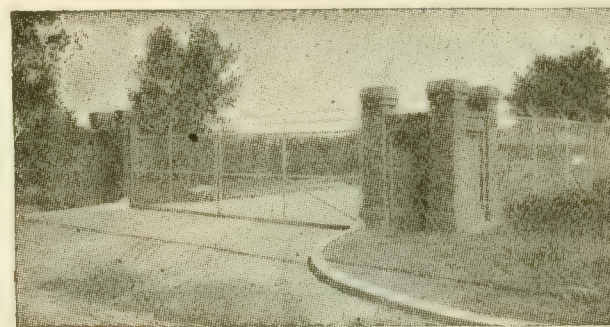
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural

VOLUME XL

Number 27

Engineering and the Building Trades

PHILADELPHIA

July 8, 1925

BUILDERS' GUIDE

PUBLISHED WEEKLY

BY

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As The Editor Sees It



THE semi-annual report of building operations in Philadelphia for the first six months of this year, published in full on other pages of this issue of the GUIDE, is evidence that Philadelphia is experiencing great activity in building.

The total work of all kinds for which permits were issued in the six months just ended was \$86,014,515, compared with \$72,573,485 for the first six months of 1924, or an increase of \$13,441,030. The number of operations shows an increase of 1146 for the half year of 1925.

In the half year ending June 30th permits were issued for 9879 new buildings at an estimated cost of \$76,484,030; alterations and additions, 3887 permits amounting to \$8,862,040 were issued and miscellaneous permits of 866 amounting to \$668,445.

The greatest increase is noticeable in residences. Every month of this year showed a greater number of residences started than in the corresponding month of 1924.

From January 1, 1925, to July 1, 1925, residences of the two story type showed increase over the same period in 1924 of 2,243 operations at an increased value of \$11,196,585. Residences of the three story class showed a small increase in number with the value remaining approximately the same, 229 costing \$3,066,000 in first six months of 1924, and 254 costing \$3,029,375 in 1925 to end of June.

As has been noted lately on all our semi-annual reports, garages again increase in value, but this time decrease in number. The first half of 1924, 1421 garages costing \$3,588,735 were started, this half year only 1320 were begun but the cost was \$4,218,915. The same number of schools were built, but at a larger figure. Eight schools in both years to date costing in 1924 \$2,654,590, and in 1925 \$4,418,555.

In the first half of the year 1925 there was an unusually large increase in the number and value of tenement houses erected in Philadelphia. During the first six months of 1924 thirty tenement houses costing only \$4,478,500 were started; this half year just ended fifty-two tenement houses costing \$11,367,000 were started.

March of 1925 was the largest month on record for the year, with \$22,424,530 estimated value of work started during the month. April, with \$21,110,645, was next in volume of work.

The record for the first six months of 1924:

Estimated Cost for Each Month

Month	Permits	Operations	Estimated Cost
Jan.	884	1,249	\$ 8,642,525
Feb.	956	1,454	7,173,885
March ...	1,610	3,322	15,756,560
April	1,582	2,675	18,946,260
May	1,735	2,731	10,940,375
June	1,577	2,040	11,108,880

The record for the corresponding six months of 1925:

Month	Permits	Operations	Estimated Cost
Jan.	614	964	\$ 6,567,755
Feb.	957	1,929	10,320,835
March ...	1,718	4,164	22,424,530
April	1,461	2,848	21,110,645
May	1,369	2,423	14,434,300
June	1,310	2,304	11,156,450

The records for first six months of the last ten years:

Year	Permits	Operations	Estimated Cost
1915	923	1700	\$ 3,873,850
1916	873	1709	5,147,115
1917	618	763	2,328,755
1918	564	694	1,671,900
1919	1073	1951	7,354,625
1920	1171	1213	6,743,015
1921	1280	1406	4,587,395
1922	1492	2461	13,190,220
1923	1334	1742	8,370,875
1924	1577	2040	11,108,880
1925	1310	2304	11,156,450

A marked decline was manifested in the building of manufactories, 37 costing \$4,282,760 were begun in six months of 1924 and 34 costing only \$1,825,820 were started in first six months of 1925. Office Buildings increased in same period from 15 to 19, but decreased in estimated cost from \$7,843,900 in 1924 to \$3,907,800 in 1925. A decline of some import occurred in Churches—17 costing \$1,741,200 were built in first half of 1924 and only 5 costing 613,650 in same time in

(Continued on page 430)

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CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Sewers, Phila. Owner, Dept. of Public Work, Bureau of Engineers, 216 City Hall: Schedule A Branch Sewers, inlets, laterals, etc. B—Main Sewers, Ashdale street, Erie avenue, Harrison street; C—Sewage Disposal project collecting sewers on 80th street. Certified checks 5% of amount of bid. Owner taking bids due July 14th, 11 A. M. (S. T.).

Alterations, 7th and Morris streets, Philadelphia. Architect, Ralph E. White, Penna. Bldg., Phila. Owner, Southwark Trust Co., on premises. Brick, cut stone, composition and linoleum floors, cement floors, concrete work, plastering, painting and glazing, metal ceilings, marble and terrazzo work, metal toilet partitions, hardware, iron fence. Architect taking bids due July 10th.

Residences (10), Lawndale, Pa. \$5,000 ea. Architect, private plans. Owner, Fitt & Foster, 5753 N. 5th street, Philada. Brick, 2 stories, 16x45 feet, hot water heat, electric light, tile work, slag roof, hardwood floors. Owner taking bids due as soon as possible.

Stores & Offices (5), Olney avenue W. of 5th street, Philadelphia. Architect, Peter F. Getz, Victory Bldg., Philada. Owner, J. J. Trainor, on premises. Architect taking bids due as soon as possible.

Residences (13) 65th & Windsor Terrace & Beaumont Ave. Architect, Private plans. Owner, Morris Barkan, 1634 S. 58th St., Philada. Brick, 2 stories, various sizes, hardwood and pine floors, hot water heat, electric light. Owner will build.

Garage, 5235 Whitby Ave., Philadelphia. Architect, private plans. Owner, Wm. Sbroglin, 6001 Elmwood Ave., Philada. Brick, two stories, 108x125, slag roof, cement floors, electric lighting, steam heating. Owner will build.

Residences (2) 1225-27 Bleigh street, Phila. \$5,000 each. Architect, private plans. Owner, Peter Heidt, Jr., 7442 Whitaker avenue, Philada. Frame, 2 stories, 14x37 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (3), N. Side Glenn street E. of Legion, \$4,000 each. Architect, private plans. Owner, A. Corney, 5746 Frankford avenue, Philada. Frame, 2 stories, 28x22 feet, shingle roof, pine floors, hot water heat, electric light. Owner will build.

Residence 1482 Aldine street, Philadelphia. \$3,600. Architect, private plans. Owner, A. J. Schissler, 1436 Aldine street, Philadelphia. Frame, 2 stories, 16x32 feet, shingle roof, pine floors, electric light. Owner will build.

Residence, East Gates Street, Roxborough, Philadelphia. Architect, private plans. Owner, T. Oliver Keely, care of S. S. Keely, Main and Umbria Sts., Manayunk. Brick, 2½ stories, 31x62 feet, shingle roof, oak and pine floors hot water heat electric light, tile work, ornamental iron work. Bids due July 15th.

Warehouse, Front and Venango Streets, Philadelphia. Architect, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owner, Industrial Realty Corporation, on premises. Reinforced concrete brick, 4 stories, 276x99 feet, slag roof, cement floors, hot-skylights fire and kalamein doors, bond, floor-low tile safety treads, rolled steel sash and hardener, ornamental iron work, steel partitions, integral waterproofing, Barelay White Co., 1713 Sansom Street, taking sub-bids due as soon as possible.

Music Pavilion, Belmont Plateau Park, Philadelphia. Owner, Commissioners of Fairmount Park, City Hall, Philadelphia. Architect, Mellor Meigs & Howe, 205 S. Juniper St., Philadelphia. Details undecided. Preliminary plans in progress.

Building No. 10, Sixty-eighth and Elmwood Ave., Philadelphia. Architect, Harris & Richards, Drexel Building, Philadelphia. Owner, General Electric Co., Witherspoon Building, Philadelphia. Brick, steel, concrete, 4 stories. Working plans in progress. Will soon take bids.

School Building (alts.), City Avenue, between Sixty-sixth and Haverford avenues, Overbrook. Architect, Heacock and Hokanson, 1211 Chestnut Street, Philadelphia. Owner, Friends' Central School, Fifteenth and Race Streets, Philadelphia. General interior alterations class rooms, gym, etc., grading athletic field. Sketches in progress.

Bank and Office Building, 1600-1602 Chestnut Street, Philadelphia, \$500,000. Architect, Hoffman Henon, Finance Building, Philadelphia. Lessee Masbaum Bros. & Fleisher, 1424 S. Penn Square, Philadelphia. Stone, brick, steel, concrete, 43x145 feet. Architect selected. Sketches being drawn.

Synagogue (alts. and add.), 2107-2113 N. Broad street, Philadelphia. Architect, Edwin L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, Congregation Adath Jesurum, care of architect. General interior alterations, readdition, brick, 2 stories, 25x55 feet, plans in progress.

Fraternity House, 3703-05 Locust Street,

Philadelphia. Architect, Edwin Rothschild, Bankers' Trust Building, Philadelphia. Owner, Kappa Nu Fraternity, on premises. Brick, cut stone, steel, granite limestone, 4 stories and basement, 91x35 feet, slag roof, cement and oak floors, steam heat, electric light, tile work bond, ornamental iron work. Architect taking revised bids due as soon as possible.

Bank and Office Building, Thirty-sixth and Walnut streets, Philadelphia. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, West Philadelphia Title & Trust Co., care of A. I. Wood, Fortieth and Lancaster avenue, Philadelphia. Stone, brick, steel, concrete, 6 stories. Plans in progress.

Store and Office Building, Northeast Corner Thirteenth and Chestnut streets, Philadelphia. Architect, Ralph Benckert, Bellvue Court Building, Philadelphia. Owner, name withheld. Brick, steel, concrete, 6 stories, 77x20 feet. Plans in progress.

Residence and Garage, Germantown, Philadelphia. Architects, Mellor, Meigs & Howe, 205 South Juniper street, Philadelphia. Owner, Leopold Stokowski, care of Philadelphia Orchestra, Packard Building, Philadelphia. Plans in progress.

Store and Apartments (4), Rising Sun avenue, Philadelphia. Architect, C. H. Fries, Drexel Building, Philadelphia. Owner, W. E. Storch, care of architect. Brick, 2 stories, 16x60 feet, slag roof, hardwood floors, hot water heat, electric light, tile work, copper bulks, plate glass. Plans in progress.

Sales Room, Green, North of Cheltenham; **Store and Offices**, Cheltenham, West of Greene street, Germantown, Philadelphia. Architect, P. S. Tyre, 1505 Arch street, Philadelphia. Owners, Rittenhouse Motor Co., on premises. Plans in progress.

Residences (8 pair), Forty-eighth and Cedar avenue, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, West Philadelphia Realty & Const. Co., 4729 Larchwood street, Philadelphia. Brick, 3 stories, 32x56 feet, each pair, tile, slate, Mohawk, asbestos shingle roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans completed. Ready for sub-bids.

Hotel, Eighth and Walnut streets, Philadelphia, \$60,000. Architect, William L. Charr, Victory Building, Philadelphia. Owners, Walnut Hotel Co., Ninth and Walnut streets, Philadelphia. Brick, stone, steel, 4 stories,

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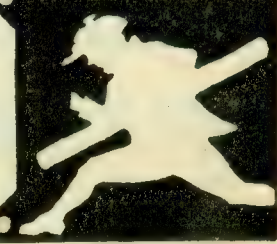
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Library (Interior Finish) 19th—20th, Wood to Vine streets, Philadelphia. Architect, Horace Trumbauer, Land Title Bldg., Phila. Owner, City of Philadelphia, Care of Librarian, J. Ashburst, 13th and Locust Sts., Phila. Bond, certified check, 5% of bid, brickwork, hollow tile, cut stone, granite, limestone, fireproofing, cement floors, integral waterproofing, structural steel, iron stairs, iron doors, vault doors, kalamein doors, bronze work, periscopes, carpentry and mill work, asbestos sliding doors, art. stone, plastering, metal lath, metal corner beads, painting and glazing, marble work, rubber tile floors, tile work, terrazzo work, composition floors, laundry equipt., skylights, cooking apparatus, refrigerators, elevators, dumbwaiters, hollow metal partitions, steel cabinets. Owner taking bids due July 23rd.

Store Building, 1522-24 Fairmount avenue, Philadelphia. Architects, Thalheimer & Weitz, 10 South Eighteenth street, Philadelphia. Owners, Alemite Lubricator Co., on premises. Brick, cut stone, steel, 2 stories and basement, 100x36 feet, slag roof, rubber, tile and cement floors, hollow tile, plumbing, wrought iron pipe, metal store front, cold water paint, ornamental iron work, rolled steel sash and skylights, tile and marble work, metal lath, electric light, steam heat. Architects taking bids due July 9th at noon.

Residences (3), Gates street, Roxborough, Philadelphia. Architects, Boyd, Abel & Gurgert, Otis Building, Philadelphia. Owner, H. C. Pedley, Corn Exchange Building, Philadelphia. Stone, hollow tile and stucco, brick, 2½ stories, 22x40 feet, slate or shingle roof, oak and pine floors, hot water heat, electric light, tile work, ornamental iron work. Owner taking sub-bids due as soon as possible.

Residences and Garages (150), Dickinson street, Patton, Napa and Thirty-first and Thirty-second streets, Philadelphia, \$456,000. Owners, Kushin & Katzman, 314 South Broad street, Philadelphia. Brick, 2 stories, 15x30 feet, slag roof, pine floors, electric light. Owners will build.

Apartment (add.), 309-11 South Fortieth street, Philadelphia, \$25,000. Owners, Davis Sorkin, 2003 South Tenth street, Philadelphia. Brick, 3 stories, 47x13 feet, 3 stories, 40x40 feet, slag roof, hardwood and pine floors, electric lighting, heating extension, tile work. Owner will build.

Hotel (add. and alts.), 208-10 South Eighth street, Philadelphia, \$40,000. Owner, Harry Norstein, et al., 533 Pine street, Philadelphia. Brick, 4 stories add., 20x138 feet, slag roof, hardwood and pine floors, tile work, heating

extension, electric lighting. Owner will build.

Residences (3), 7101-03-05 Greene street, Germantown, Philadelphia, \$52,000. Architect, private plans. Owner, John W. Moffley, 515 West Mt. Airy avenue, Philadelphia. Stone, 3 stories, 52x32 feet, 43x27 feet, 23x28 feet and 32x25 feet, 18x18 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Residences (10), West side Manayunk avenue, South of Fountain street, \$6,000 each. Architect, private plans. Owners, Manayunk Coal & Lime Co., Main and Umbria streets, Philadelphia. Brick, 2 stories, 19x33 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Garage, 6111-13 Wister street, Philadelphia, \$14,000. Architect, private plans. Owner, John Roman, 414 East Brighthurst street, Philadelphia. Brick, 1 story, 8x60 feet, slag roof, cement floors, electric light. Owner will build.

Residences (4), 2828-34 Reynolds street, Philadelphia, \$17,000 total. Architect, private plans. Owner, S. Siatkowski, 2344 Orthodox street, Philadelphia. Brick, 2 stories, 14x40 feet, slag roof, pine floors, hot water heat, electric light. Owners will build.

Residences (2), North side Glenview avenue, West of Godfrey avenue, \$5,000 each. Architect, private plans. Owner, John J. Glazier, 1967 Bridge street, Philadelphia. Frame, 2 stories, 18x40 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Store and Office (add.), 5450 North Fifth street, Philadelphia, \$6,000. Architect, private plans. Owner, Charles Kreuzer, 5500 North Fifth street, Philadelphia. Brick, 2 stories add., 20x31 feet. Owner will build.

Residences (2), 1106-08 Wakeling street, (10) Granite street, Rutland to Large, Philadelphia, \$7,500 each. Owner, J. D. Fotheringham, 1000 Arrott street, Philadelphia. Brick, 2 stories, 16 feet 4 inches x 48 feet, hardwood and pine floors, electric light, hot water heat. Owner will build.

Residence and Store, Southwest Corner Ridge and Susquehanna avenues, \$6,000. Architect, private plans. Owner, B. W. Glover, 6050 Girard avenue, Philadelphia. Brick, 2 stories, 32x40 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Garage, Northwest Corner Thirty-first and Ridge avenue, Philadelphia, \$55,000. Architect, private plans. Owner, B. W. Glover, 6050 Girard avenue, Philadelphia. Brick, 2 stories, 90x106 feet, slag roof, concrete floors, electric light. Owner will build.

Rooming House (alts.), 1910 Pine street, Philadelphia, \$5,000. Architect, private plans. Owner, A. W. Stricker, on premises. General alterations. Owner will build.

Garage, 1531 North Thirteenth street (rear), Philadelphia, \$2,500. Architect, pri-

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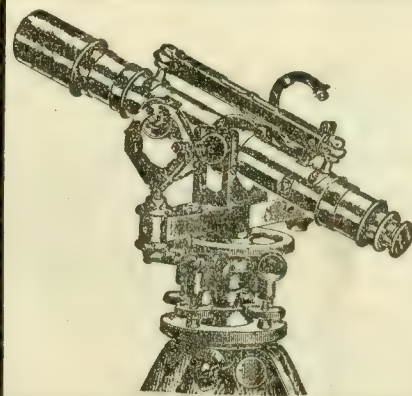
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vate plans. Owners, Mary Malley Estate, on premises. Brick, 1 story, 17x42 feet, slag roof, cement floors. Permit issued.

Phila. Contracts Awarded

Residences (3) Napfle St. and Rising Sun avenue, Philadelphia, \$6,000 each. Architect, private plans. Owner, E. E. Montgomery, Verree Road, Phila. Frame, 2 stories, 35x27 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Harold Stout, Cheltenham, Pa.

Residence, S. Side Van Kirk street E. Reach street, Philadelphia, \$4,500. Architect, private plans. Owner, James H. Skitt, 4937 Pulaski Avenue, Phila. Brick, 2 stories, 25x29 feet, 1 story 25x11 feet, hot water heat, electric light, hardwood and pine floors. Contract awarded to Harold E. Miller, 2528 Coral St., Phila.

Garage, 4954 Merion avenue, Philadelphia. \$4,000. Architect, private plans. Owner, Fred Wade, on premises. Brick, 1 story, 27x88 feet, slag roof, cement floors, electric work. Contract awarded to Samuel A. Rogers, 5312 Thompson street, Philadelphia.

Mill Building, Southeast corner Water and Dickinson Streets, Philadelphia. Architect, Clarence E. Wunder, 1520 Locust Street, Philadelphia. Owner, Philadelphia Bag Co., 86 Tasker Street, Philadelphia. Brick, steel, reinforced concrete, 3 stories and basement, 128x101 feet, slag roof, cement floors, hollow tile, ornamental iron work, bond, metal toilet partitions, elevator doors, galvanized iron skylights, rolled steel sash, metal lath, (elevators, heating, plumbing, electric sprinkler reserved.) Contract awarded W. R. Dougherty, 1610 Sansom Street, Philadelphia.

Residences (4) E. Side Stenton avenue S. of Gorgas Lane, Philada. \$9,000 each. Architect, private plans. Owner, Americo Spinto, 1916 E. Passyunk avenue, Philada. Stone and brick, 3 stories, 16x22 feet, 2 stories 16x21, hot water heat, electric light, hardwood and pine floors. Contract awarded to Thomas Spinto, 1916 E. Passyunk avenue, Philada.

Residence (Alts. & Add.) 2221 Rittenhouse street, Philadelphia. \$7,000. Architect, Clyde S. Adams, 2036 Spruce Street, Philada. Owner, D. T. Easby, on premises. Brick, 2 story,

12x10, 1 story 12x6, general alterations. Contract awarded to E. J. Kreitzburg, 1333 Arch St., Philada.

Stores (4), Apartments (6) (alts. and add.), 500 South Forty-second street, Philadelphia. Architect, C. C. Schweiker, 29 Garfield avenue, Manoa Heights, Delaware County, Pa. Owner, D. H. Kajakjian, 105 Stratford avenue, Lansdowne, Pa. Brick and add. fire tower, 4 stories, 21x82 feet, hot water heat, electric light, metal lath, tile bath, plate glass, copper frames, slag roof and oak floors. Contract awarded C. S. Bannett, 1633 South Fifty-ninth street, Philadelphia.

Building (alts.), Kensington avenue and F street, Philadelphia, \$14,000. Architect, Peter F. Getz, Victory Building, Philadelphia. Owner, J. D. Enright, 3020 Kensington avenue, Philadelphia. Marble work, painting, glazing, plumbing, heating, roofing, electric work, concrete work, bulk windows, tile work. Contract awarded J. F. Carberry, 5729 McMahon street, Philadelphia.

Alterations, 216 South Twentieth street, Philadelphia. Architect, private plans. Owners, Philadelphia Conservatory of Music, on premises. Steam heat, electric work, oak floors, plumbing, painting, mill work, carpentry, plastering. Contract awarded C. C. Edleman, 1627 Sansom street, Philadelphia.

Residence (alts.), 213 South Forty-second street, Philadelphia. Architects, Druckenmiller & Williams, 1537 Chestnut street, Philadelphia. Owner, Mrs. Woelpper, on premises. Carpentry and mill work, general alterations. Contract awarded Alfred James, 5000 Sansom street, Philadelphia.

Residence, Alburn road, East Stenton avenue, Chestnut Hill, Pa. Architects, Roberts, Rodes, McGoodwin, 1600 Walnut street, Philadelphia. Owner, W. R. Taylor, Chestnut Hill, Pa. Stone, 2½ stories, 86x29 feet, shingle roof, oak and pine floors, hot water heat, electric light, iron work. Contract awarded George S. Roth & Son, 230 East Gravers lane, Philadelphia.

Building (repairs), 1215 Market street, Philadelphia, \$15,000. Architect, private plans. Owner, Joseph Snellenberg, Twelfth and Market streets, Philadelphia. Sprinkler system, slag roof, carpentry, mill work, plastering, alterations to plumbing and heating, electric work. Contract awarded to Ketcham & McQuade, 1029 Brown street, Philadelphia.

Loft Building, 1318-26 Olive street, Philadelphia. Architect, Philip S. Tyre, 1505 Arch street, Philadelphia. Owner, Charles Monday, on premises. Brick, concrete, steel, 3 stories, 150x90 feet (plumbing, heating and electric reserved), slag roof, cement floors, rolled steel sash, ornamental iron work. Contract awarded F. W. Mark Cont. Co., Commercial Trust Building, Philadelphia.

Apartment House, 6090 Drexel road, Philadelphia, \$100,000. Architect, Roy G. Pratt, 801 Franklin Trust Building, Philadelphia. Owners, Co-operative Apartments Co., 6092 Drexel road, Philadelphia. Brick, 4 stories, 50x90 feet, slag roof, hardwood and pine floors, slag roof, vapor heat, electric light, tile work. Contract awarded to J. P. Hallahan, 2315 Walnut street, Philadelphia.

Residence, South side Grant avenue, East of Wissinoming street, \$12,000. Architect, private plans. Owner, C. C. Phillips, Torresdale, Philadelphia. Stone, 3 stories, 26x41 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to W. W. Anstine, Frankford and Oxford avenues, Philadelphia.

Residence, West side Eightieth street, North of Gibson avenue, Philadelphia, \$6,500. Architect, private plans. Owner, John Bailis, 8010 Gibson avenue, Philadelphia. Brick, 2 stories, 16x50 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to A. Frostick, 549 York street, Camden, N. J.

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Restaurant and Offices (add. and alts.), 7-9 West Chelton avenue, \$36,000. Owners, Linton Lunch Co., Southwest Corner Broad and Wallace streets. Brick, 3 stories add., 38x35 feet, general alterations. Contract awarded to Turnbull & Cornell, 15 South Twenty-first street, Philadelphia.

Building (alts.), 427 Arch street, Philadelphia, \$30,000. Architect, private plans. Owner, H. J. MacMenin, 40 North Sixth street, Philadelphia. General alterations. Contract awarded to S. Yellin & Son, 3125 Montgomery avenue.

Building (repairs), Southeast Corner Seventeenth and Fairmount avenue, \$12,000. Architect, private plans. Owners, A. F. Bornot & Co., on premises. General fire repairs. Contract awarded to P. Haibach Cont. Co., 1261 North Twenty-sixth street, Philadelphia.

Store and Residence (add. and alts.), Southeast Corner Ninth and Carpenter streets, \$8,300. Architect, private plans. Owner, William Cohen, Southeast Corner Ninth and Montrose streets, Philadelphia. Brick, 3 stories add., 15x28 feet, general alterations. Contract awarded to Seurei & Macrame, 734 South Seventh street, Philadelphia.

Residence (alts. and add.), 4045 Pine street, Philadelphia, \$7,000. Architect, private plans. Owner, Edward L. Buckley, on premises. Brick, 3 stories add., 20x20 feet, general alterations. Contract awarded to H. H. Conway, 5800 Walnut street, Philadelphia.

Church (alts.) to Hall, Southeast Corner Manayunk and Crams avenues, \$15,000. Owners, Camp 50, P. O. S. A., on premises. General alterations. Contract awarded to C. M. Swartley & Son, 6835 Ridge avenue, Philadelphia.

Store and Office (add.), 1113 Chestnut street, Philadelphia, \$15,000. Owners, Girard Estate, Lafayette Building, Philadelphia. Brick, 2 stories add., 15x20 feet, 25x62 feet. Contract awarded to R. G. Ewing, 2506 North Seventeenth street, Philadelphia.

Apartment House (alts. and add.), Northwest Corner Thirty-fourth and Woodland avenue, \$17,500. Architect, private plans. Owners, H. & S. Baylinson, on premises. Brick, 3 stories add., 18x20 feet, general alterations. Contract awarded to Wolf & Sheffit, 3819 Poplar street, Philadelphia.

Warehouse (repairs), 2734-36 North Second street, Philadelphia, \$5,000. Architect, private plans. Owner, C. Hulgen, 2349 North Marshall street, Philadelphia. General fire repairs. Contract awarded to S. T. Skeen, 3748 North Fifth street, Philadelphia.

Store and Residence (add.), 1804 South street, Philadelphia, \$4,625. Architect, private plans. Owner, Joseph Levin, on premises. Brick, 2 stories add., 16x24 feet, slag roof, pine floors. Contract awarded to A. Bressi, 778 South Seventh street, Philadelphia.

Residence (alts.), Southeast Corner Thirteenth and Morris streets, Philadelphia, \$4,000. Architect, private plans. Owner, G. Murri, on premises. General alterations. Contract awarded to Seurei & Macrame, 734 South Seventh street, Philadelphia.

Residence (add.), 5433 North Fifth street, Philadelphia, \$2,500. Architect, private plans. Owner, Joseph Miller, on premises. Brick, 2 stories add., 14x16 feet, slag roof, pine floors. Contract awarded to V. C. Turner Co., 5712 North Fourth street, Philadelphia.

Building (alts.), Northeast Corner Forty-second and Reno streets, Philadelphia, \$3,500. Architect, private plans. Owner, Edward Driver, on premises. General alterations. Contract awarded to George Kessler Cont. Co., 1733 North Marvine street.

Residence (alts. and add.), 3409 Walnut street, Philadelphia, \$3,000. Architect, private plans. Owner, Thomas B. Moore, Glenolden, Pa. Brick, 1 story add., 20x7 feet, general alterations. Contract awarded to F. K.

Worley Corp., 1701 Arch street, Philadelphia.

Residence, North side Crothers avenue, East of Ninetieth street, \$2,400. Architect, private plans. Owner, O. Shonigluke, Eightieth and Gibson avenue, Philadelphia. Brick, 1 story, 20x30 feet, pine floors, electric lighting. Contract awarded to M. Lafenchlik, Ninety-fourth and Crothers avenue, Philadelphia.

Building (alts.), Southeast Corner Seventeenth and Dickinson streets, \$2,200. Architect, private plans. Owners, M. Sussman & Sons, on premises. General alterations. Contract awarded to Annunziata & Riviello, 1829 South Seventeenth street.

Residence, 2412 North Fifty-second street, Philadelphia, \$9,500. Architect, private plans. Owner, J. Saltzburg, 53 North Third street, Philadelphia. Concrete block, 3 stories, 45x28 feet, 1 story, 18x6 feet, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Barnet & Rubin, 6227 Pine street, Philadelphia.

Store (alts. and add.), 4363 Frankford avenue, Philadelphia, \$7,000. Architect, private plans. Owner, J. Block, on premises. Brick, second story add., 15x32 feet, general alterations. Contract awarded to J. Gelzik, 1918 North Park avenue, Philadelphia.

Building (alts.), Northeast Corner York and Jasper streets, Philadelphia, \$6,000. Architect, private plans. Owners, Penn Worsted Co., on premises. General alterations. Contract awarded to H. M. Wilson Co., 20 South Fifteenth street, Philadelphia.

Garage, 1956 Hunting Park avenue, Philadelphia, \$5,000. Architect, private plans. Owner, S. R. Simpson, 2214 Hunting Park avenue, Philadelphia. Brick, 1 story, 17x183 feet, slag roof, cement floors. Contract awarded to Frank Radomski, 4329 North Sixteenth street, Philadelphia.

Residence (alts. and add.), 1714 South Fifth street, Philadelphia, \$4,900. Architect, private plans. Owner, Simon Welderman, 1712 South Fifth street, Philadelphia. Brick, 1 story add., 16x21 feet, general alterations. Contract awarded to William Gilchrist, 3510 "B" street, Philadelphia.

Building (alts.), Northwest Corner Third and Girard avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Louis Burk, on premises. General alterations. Contract awarded to John N. Gill Const. Co., 121 North Broad street.

Store and Residence (add.), Southwest Corner Eighteenth and Cumberland streets,

\$4,000. Architect, private plans. Owner, Lola Sillman, Fox Building, Philadelphia. Brick, 1 story add., 17x13 feet, slag roof, pine

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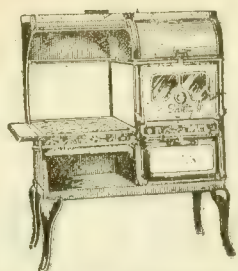
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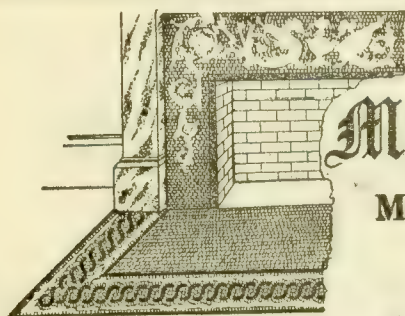
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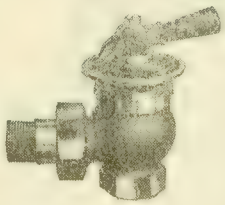
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floors. Contract awarded to Carl Pachman, 257 South Fifty-eighth street, Philadelphia.

Building (alts.), 952 North Eleventh street, Philadelphia, \$3,500. Architect, private plans. Owners, Salvation Army, on premises. General alterations. Contract awarded to Eric Harff, 215 South Broad street, Philadelphia.

Residence (alts.), 214 South Forty-second street, Philadelphia, \$3,500. Architect, private plans. Owner, Matthews Maloney, 1021 South Sixtieth street, Philadelphia. General alterations. Contract awarded to A. McIntyre, 105 North Gross street, Philadelphia.

Residence, 3360 East Thompson street, Philadelphia, \$5,000. Architect, private plans. Owner, John Piatek, 2654 East Allegheny avenue, Philadelphia. Brick, 2 stories, 16x45 feet, 13x13 feet, slag roof, pine floors, electric lighting. Contract awarded to Stanilow Ozga, 3370 Salmon street, Philadelphia.

Office and Residence (alts. and add.), 1410 North Twenty-first street, \$4,150. Architect, private plans. Owner, L. Laurence, on premises. Brick, second story add., 16x8 feet, general alterations, hot water heating. Contract awarded to J. F. Trent, Nineteenth and Addison street, Philadelphia.

Store (alts.), 1215 Chestnut street, Philadelphia, \$3,000. Architect, private plans. Owners, Mawson & DeMany, on premises. Carpentry, mill work, general alterations. Contract awarded to George Weiss, 701 East Girard avenue, Philadelphia.

Garage, 5115 Greene street, Philadelphia, \$3,000. Architect, private plans. Owner, J. A. G. Beattie, on premises. Brick, 1 story, irregular shape, slag roof, cement floors. Contract awarded to D. A. Pingaton, 1362 Unity street, Philadelphia.

Apartment (alts.), 4315 Fleming street, Philadelphia, \$2,000. Architect, private plans. Owner, W. Cherry, 6100 Ludlow street, Philadelphia. General alterations. Contract awarded to Claro Const. Co., Pennsylvania Building, Philadelphia.

Store and Residence (alts.), 630 West Girard avenue, Philadelphia, \$2,000. Architect, private plans. Owner, F. Freedman, on premises. General alterations. Contract awarded to D. Wittenberg, 1519 North Thirty-third street, Philadelphia.

**Pennsylvania
 Construction News**

Hotel, Lancaster, Pa. Architect, H. Y. Shaub, 20½ N. Queen street, Lancaster, Pa. Owner, Tony Skyllas, Care of Architect. Too early for details.

Store (add.) Lancaster, Pa. Architect, C. E. Urban, Woolworth Bldg., Lancaster, Pa. Owners, Watt and Shand, 2 E. King street, Lancaster, Pa. Fireproof, 4 stories, 18x40 feet. Plans in progress. Will develop in Fall.

School, Centerville, Cumberland Co., Pa. Architect, B. E. Starr, 9 N. 2nd street, Harrisburg, Pa. Owners, School District of Penn Twp., Centerville, Pa. Brick, 1 story, 53x78 feet, slag roof, yellow pine floors, hollow tile, roof ventilators, terra cotta. Plans in progress.

School, Taneytown, Md. Architects, B. E. Starr, Spooner Building, Harrisburg, Pa. Owners, Board of Education of Carroll Co., M. S. Unger, Sec'y, Westminster, Md. Brick, 2 stories, 19 rooms, slag roof, pine floors, (heating, plumbing and electric, separate), tile work. Owners taking revised bids due July 13th.

Lincoln School (add.) Newberry-Williamsport, Pa. Architect, F. Arthur Rianhard, Masonic Temple, Williamsport, Pa. Owners, Williamsport School District, Williamsport, Pa. Brick, reinforced concrete, steel, 2 stories and basement, 90x90 feet. Owners taking bids due July 13th.

Meeting House, State College, Pa. Architect, Heacock & Hokanson, 3211 Chestnut

Street, Philadelphia. Owner, Society of Friends, State College, Pa. Brick, stone. Plans in progress. Architect will be ready for bids in a few days.

Dormitory, Newark, Del., \$235,000. Architect, Day & Klauder Franklin Bank Building, Philadelphia. Owner, Delaware University, on premises. Stone, brick, steel. Sketches being drawn.

Residence and Garage, Bryn Mawr, Pa. Architects, Willing, Sims & Talbutt, 128 South Eighteenth street, Philadelphia. Owner, L. D. Howard, Land Title Building, Philadelphia. Stone, 2½ stories. Plans in progress.

Residence, Llandillo road, Llanerch, Pa. Architect, P. S. Tyre, 1505 Arch street, Philadelphia. Owner, Adelbert Maucher, Llanerch, Pa. Hollow tile, stucco, 2½ stories. Plans in progress.

Stores and Residences (2), Brookhaven, Delaware County, Pa. Architect, Frank C. Watson, Wallingford, Pa. Owner, name withheld. Brick, 2 stories, 23x60 feet, shingle and slag roof, hot water heat. Plans in progress.

Residences and Garages (2), Indiana Creek road, Overbrook, Pa. Architect, E. Nelson Edwards, 315 South Fifteenth street, Philadelphia. Owner, Albert Hall, Land Title Building, Philadelphia. Brick, stone, hollow tile. Details undecided. Preliminary plans in progress.

Residence (alts. and add.), Holycon, Pa. Architect, Frank C. Watson, Wallingford, Pa. Owner, name withheld. Miscellaneous interior alterations, shingle roofs. Plans in progress.

Moose Temple, Bradford, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, L. O. O. M., E. M. Bitner, chairman, Bradford, Pa. Architects selected. Too early for details.

American Legion Home and Community House, Huntingdon, Pa. Architects, Kast & Kelker, 222 Market street, Harrisburg, Pa. Owners, care of architects. Concrete block, steel, stucco, 2 stories, 80x100 feet, tile roof, hardwood floors, safety treads, steam heat, electric light, tile and marble, steel sash, skylights. Plans in progress.

Fire House, Fleetwood, Pa. Architects, High & Huber, 230 North Sixth street, Reading, Pa. Owners, care of architects. Brick, 2 stories, 40x100 feet. Plans in progress.

Bank and Office Building (add.), Wyoming avenue and Spruce street, Scranton, Pa. Architects, E. H. Davis and George M. D. Lewis, Union Bank Building, Scranton, Pa. Owners, Traders' National Bank, Scranton, Pa. Brick and stone, 6 stories. Plans in progress.

Residence, Fourth and Hyatt streets, Chester, Pa. Architect, Frank C. Watson, Wallingford, Pa. Owner, name withheld. Brick, stone, 2½ stories, slate roof, hardwood floors, vapor heat, electric light, tile work. Plans in progress.

Residences (3), Wilson street, North of Sixth street, Chester, Pa. Architect, Frank C. Watson, Wallingford, Pa. Owner, I. Goldberg, Eighth and Weldon streets, Chester, Pa. Brick, 2 stories, 16x38 feet, slag and shingle roof, pine floors, hot air heat, electric light. Plans in progress.

Residences (12), Mowry street, Chester, Pa. Architect, Frank C. Watson, Wallingford, Pa. Owner, name withheld. Brick, 2 stories, 16x40 feet, shingle and slag roof, pine floors, hot water heat, electric light. Plans in progress.

Meeting House (alts. and add.), Media, Pa. Architect, Frank C. Watson, Wallingford, Pa. Owners, Providence Friends' Meeting, Media, Pa. General alterations and addition, hot air heating. Architect taking bids on heating.

Church, Reading, Pa. Architects, Muhlenberg Brothers, 511 Penn street, Reading, Pa. Owners, First Church of Christian Science, Ezra A. Wenrick, West Wyomissing, Pa. Limestone, 1 story and basement, 63x89 feet,

composition roof, vapor vacuum heat, electric light. Architects ready for bids due July 20th.

Swimming Pool Addition, Bradford, Pa., \$125,000. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Y. M. C. A., care of Ralph George, Bradford, Pa. Brick, steel, 3 stories, 100x100 feet, Warren-Webster heating, electric light, metal lath, tile work, ornamental iron. Architects will be ready for bids in one week.

Residence, Lewistown, Pa. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owner, J. Smith Green, Lewistown, Pa. Brick, 2½ stories, 33x50 feet, asphalt shingle roof, hardwood floors, heating undetermined, electric light, tile work. Plans in progress. Ready for bids in about two weeks.

Garage, Wallingford, Pa. Architect, Frank C. Watson, Wallingford, Pa. Owner, Frank C. Watson, Wallingford, Pa. Hollow tile and stucco, 1½ stories, 20x30 feet, shingle roof. Owner taking sub-bids.

Industrial Building (alts. and add.), West Manayunk, Pa. Architect, Frank C. Watson, Wallingford, Pa. Owners, Belmont Cement Burial Case Co., Belmont and Rockhill streets. Stone, steel, 1 story, 60x80 feet, slag roof, roof ventilators, rolled steel sash and skylights, hot air heat. Owners taking sub-bids.

Cathedral, Altoona, Pa. Architect, George I. Lovatt, 223 South Sydenham street, Philadelphia. Owners, Cathedral of the Blessed Sacrament, Rt. Rev. Bishop J. J. McCort, Altoona, Pa. Hubert Clark, superintendent of construction. Architect will sub-let.

Theatre, Stores and Apartments, Willow Grove, Pa. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owners, Rothwell Co., care of E. Rothwell, Willow Grove, Pa. Brick, hollow tile, stucco, 2 stories and basement, 160x90 feet, composition Vermont slate, slag roof, cement, composition and pine floors, painting and glazing, metal ceilings, hardware, ornamental iron work, iron stairs, bond, hollow metal sash, tile and terrazzo work, metal lath, integral waterproofing, metal partitions. Architect taking bids due July 10th.

Residence and Garage, Greensburg, Pa. Architects, Walter T. Karcher and Livingston Smith, 34 South Seventeenth street, Philadelphia. Owner, Mrs. Richard Coulter, Greensburg, Pa. Brick, cut stone, steel macite, 2½ stories and basement, 60x22 feet, wing 68x35 feet, garage 64x30 feet, variegated slate roof, linoleum and oak floors, hollow tile, plumbing, wrought iron pipe, metal window guards, metal weather strips, anti-hydro waterproofing, ornamental iron work, iron stairs, bond, kalamein doors, hollow metal casements and sash, tile and marble work, metal lath, steam heat, electric light, vacuum cleaner system, incinerator, metal closets and cabinets, flagstone, sanymetal partitions. Architects taking bids due July 14th.

Bakery, Jenkintown, Pa. Architect, L. Walton Heiss, Jenkintown, Pa. Owners, Truman Quality Shop, Jenkintown, Pa. Architect taking bids due July 10th.

School, Branchdale, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, Star of the Sea Roman Catholic Church, Rev. C. O'Brien, Branchdale, Pa. Frame, steel, 2 stories, 80x54 feet, composition roof, pine floors, steam heat, electric light, iron stairs. Architect taking bids.

Convent, Branchdale, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, Star of the Sea Church, Rev. C. O'Brien, Branchdale, Pa. Frame, 2 stories, 41x32 feet, asbestos shingle roof, pine floors, steam heat, electric light. Architect taking bids.

Pennsylvania

Contracts Awarded

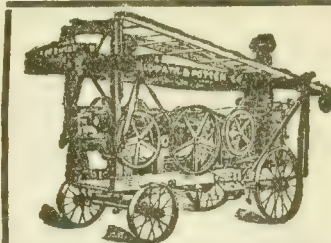
Office and Stores, York, Pa. Architect, J. A. Dempwolf, Cassatt Bldg., York, Pa. Owner, Mahlon N. Haines, York, Pa. Brick, steel, 5 stories, 40x150 feet, composition roof, comp. and concrete floors, elevators, safety treads, roof ventilators, dampproofing, ornamental iron work, iron stairs, fire doors, skylights, steel sash, tile and marble, metal lath, steam heat, electric light. Contract awarded to S. F. Gladfelter, York, Pa.

Residence, Haverford, Pa. Architect, Tilden & Register 1520 Locust Street, Philadelphia. Owner, Richard L. Barrows, care of Architect. Frame, 2½ stories, 51x33 feet, shingle roof, hot water heat, electric light, tile work, ornamental iron work. Contract awarded E. R. Hall, 34 S. 17th St., Philadelphia.

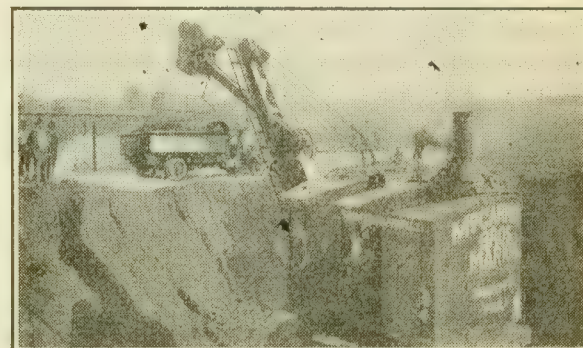
Bank, Reading, Pa. Architect, Alfred C. Bossom, 680 Fifth avenue, New York. Owners, Farmers' National Bank, Reading, Pa. Brick, stucco, granite, steel, 2 stories, mezzanine and basement, 130x60 feet, tile, slag and composition roof, cement floors, hollow tile, elevators, waterproofing and dampproofing, steam heat, electric light, rolled steel and hollow metal sash, kalamein doors, bond, floor hardener, ornamental iron work, brass pipe, sheet piling, bronze work. Contract awarded to Fink Const. Co., 510 Walnut street, Reading.

Residence (alts. and add.), Pine, Broadax, near Ambler, Pa. Architects, T. B. Lippincott and Charles F. Schaef, 11 South Sixteenth street, Philadelphia. Owner, J. Cawlder, Jr., care of architect. Heating extension, tile and marble work, electric work, tile roof, stucco work, structural steel, iron work, plumbing, painting and glazing, carpentry and mill work, North Carolina pine floors, bond, hollow concrete blocks. Contract awarded Howard F. Ainey, Ambler, Pa.

Residence, Wynnewood, Pa. Architects, Webber & Wurster, 1530 Locust street, Philadelphia.



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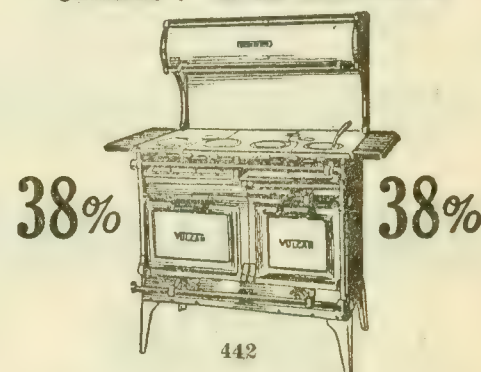


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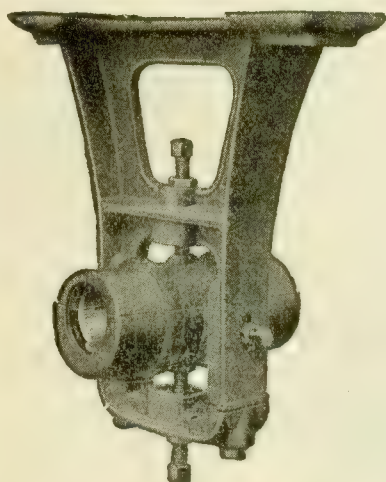
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delphia. Owner, Mrs. George Barrie, care of architect. Cinder concrete block, stucco, stone, 2½ stories and basement, 78x30 feet, tile roof, cement, oak and pine floors, plumbing, metal weather strip, ornamental iron work, bond, rolled steel sash, tile and marble work, metal lath, electric light, hot water heat, flagstone, quarry tile floors, National steel pipe. Contract awarded Stokes Brothers, 6723 Musgrave street, Philadelphia.

High School, Gettysburg, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, Gettysburg School Board, Mr. Block, secretary, Gettysburg, Pa. Brick, semi-fireproof, 2 stories and basement, 70x140 feet,

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50x40 feet, slag roof, maple floors, hollow tile, safety treads, roof ventilators, waterproofing and dampproofing, iron stairs, tile work, metal lath (heating, plumbing and electric separate). Contract awarded to A. R. Warner, Waynesboro, Pa.

Church (alts.) and Sunday School, Lancaster, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. Andrew's Reformed Church, Lancaster, Pa. Brick, 1 story, basement and gallery, 71x60 feet, slate roof, wood and cement floors, cinder block, vapor steam heat, electric light. Contract awarded to W. C. Zook, 139 Concord street, Lancaster, Pa.

Residence and Garage, Shippack pike, Fort Washington, Pa., \$100,000. Architects, Mellor, Meigs & Howe, 205 South Juniper street, Philadelphia. Owner, Oreville Bullitt, 8128 St. Martin's road, Chestnut Hill, Pa. Stone, 2½ stories, irregular, slate roof, hardwood floors, cement work, electric light, tile and marble work. Contract awarded J. S. Cornell, 1528 Cherry street, Philadelphia, not signed.

Bank Building (alts. and add.), Dunmore, Pa. Architects, E. H. Davis and George M. D. Lewis, Union Bank Building, Scranton, Pa. Owners, Fidelity Deposit & Discount Bank, Dunmore, Pa. Steel, reinforced concrete, 2 stories and basement, 30x50 feet, slag roof, oak floors, metal window guards, damp-proofing, iron work, vault, bronze, tile and marble (heating, electric and plumbing reserved). Contract awarded to S. Palumbo, Miller Building, Scranton, Pa.

Store and Apartment Building, 135 South Oak street, Mt. Carmel, Pa. Architect, J. Bell, Jr., 44 South Oak street, Mt. Carmel, Pa. Owners, A. H. Douglass & Sons, 141 South Oak street, Mt. Carmel, Pa. Brick, 3 stories, 25x150 feet, slag roof, hardwood and pine floors, electric light, steam heat. Contract awarded to E. R. Bastress Co., 44 South Oak street, Mt. Carmel, Pa., who are taking sub-bids.

Double Residence, Mt. Carmel, Pa. Architect, J. Bell, Jr., 44 South Oak street, Mt. Carmel, Pa. Owners, care of builders. Brick, 2½ stories, 32x56 feet, hardwood and pine floors, electric lighting, tile work. Contract awarded to E. R. Bastress Co., 44 South Oak street, Mt. Carmel, Pa.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Clearfield County, R-221, A-3366, Chest Township, 21,120 feet. One course reinforced concrete. Contract awarded to Joe Weisner, St. Mary's, Pa., \$168,120.27.

Fulton County, R-192-193, Dublin and Todd Townships, 43,218 feet. Grading and drainage. \$87,699.28. Contract awarded to W. W. Harper Const. Co., Franklin, W. Va.

New Jersey Construction News

Residence, 2720 Harrison avenue, Camden, N. J. Owner, Adam Koimowitz, 1997 Cooper Street, Camden, N. J. Block, 2 stories, 13 feet 6 inches x 36 feet, slag roof, pine floors, hot air heat, electric light. Owner will build.

Bridge Cut-off, Perth Amboy, N. J. Owners, State Highways Commission, A. Lee Grover, Sec'y, Broad St. Bank Bldg., Trenton, N. J. Middlesex County, City of Perth Amboy, Route 4, Section 33, Excavation, 9-in. reinforced concrete pavement, together with construction of one small bridge. Owners taking bids due July 13, at 11 A. M. (Standard Time). \$10,000 required. Certified check for 10% required.

Store and Residence, 3209 River Road, Camden, N. J. \$6,000. Architect, private plans Owner, M. A. Wodal, 224 E. Cedar avenue, Merchantville, N. J. Brick, 2 stories,

17x64 feet, slag roof, pine floors, hot air heat, electric light. Owner will build.

Paving, Audubon, N. J. Engineer, J. J. Albertson, Court House, Camden N. J. Owner Commissioners of Borough of Audubon, J. W. Zander, School House No. 2, Mansion and Wyoming Ave., Audubon, N. J. Excavation, concrete paving. Deposit \$1.00. Work must be completed within 60 days from date of contract. Owner taking bids due July 14th, 8.30 P. M. (D. S. T.)

Bank, Moorestown, N. J. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Moorestown Trust Co., Moorestown, N. J. Stone, steel, brick, concrete. Plans in progress.

School, New Jersey avenue, Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, Atlantic City School Board, H. H. Young, Secretary, Atlantic City, N. J. Fireproof, three stories, 30 rooms, slag roof, hardwood floors, hollow tile, safety treads, roof ventilators, skylights, tile and marble, metal lath (heating, plumbing and electric separate). Architect ready for bids.

Residences (10), Grant and McKinley avenues, Atlantic City, N. J. Architect, Benj. Brown, Guarantee Trust Building, Atlantic City, N. J. Owner's name withheld. Brick, hollow tile, two stories, 16x32 feet, slag roof, pine floors, hot water heat, electric light. Architect will take bids.

School, Margate City, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owners, Margate City School Board, Mr. Whitaker, President, Jefferson avenue, Margate City, N. J. Brick, terra cotta, three stories, 130x60 feet, slag roof, wood floors, safety treads, roof ventilators, waterproofing, iron stairs (heating, plumbing, electric separate). Owners taking bids.

Residences (2), Atlantic City, N. J. Architect, Benj. Brown, Guarantee Trust Building, Atlantic City, N. J. Owner, Louis Ostrow, 117 Adriatic avenue, Atlantic City, N. J. Brick, hollow tile, two stories, 16x60 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Owner will build.

Residence (alts. and add.), 517 North Indiana avenue, Atlantic City, N. J. Architect, Benj. Brown, Guarantee Trust Building, Atlantic City, N. J. Owner, M. Dabrof, on premises. Brick, two stories, 16x30 feet, slag roof, pine floors, electric light, tile work, general interior alterations. Owner will build.

Sewage Treatment Plant and Force Main, Westville, N. J. Engineers, Remington & Vosbury, 509 Cooper street, Camden, N. J. Owners, Borough Council of Borough of Westville, John F. Davis, Clerk, Borough Hall, Westville, N. J. Construction of Sewage Treatment Plant and approximately 1,430 lin. feet 8-inch cast iron force main. Owners taking bids, due July 14th at 8 P. M. (Daylight Saving Time). Deposit of \$15.00 required, \$10.00 refunded. Certified check for 5% required. Bond.

Residence, Haddonfield, N. J. Architect, J. C. Jefferies, Camden, N. J. Owner, R. Wayne Kraft, Collingswood, N. J. Tile or concrete block and stucco 2½ stories, 65x33 feet, slate roof, hardwood floors, electric light, tile work (heating reserved). Architect taking bids, due July 9th.

Sunday School, Hightstown, N. J. Architect, Wm. A. Klemann, First National Bank Building, Trenton, N. J. Owners, First Baptist Church, W. C. Hutchinson, 46 Main St., Hightstown, N. J. Brick, steel, two stories and basement, 42x86 feet, slate roof, pine floors, hot water heat, electric light, tile work, skylights. Architect taking bids.

High School Auditorium and Gymnasium, Audubon, N. J. Architect, Arnold H. Moses, Temple Building, Camden, N. J. Owners, Board of Education of Audubon, Oak and Oakland avenues, Audubon, N. J. Low bid-

ders: Geo. H. Evans, 105 North Thirteenth street, Philadelphia, \$319,125; Chas. McCaul Co., 1713 Sansom street, Philadelphia, \$322,222. Electric, Eastern Electric Construction Co., 1936 South College avenue, Philadelphia, \$10,129, minus Item No. 1, \$26,33; Item No. 2, additional \$1,500. Plumbing, Deckman Power and Heating Co., Camden, N. J., \$14,500. Heating, H. Knecht, Camden, N. J., \$37,662.

New Jersey Contracts Awarded

State Sanatorium, Glen Gardner, N. J. Architects, Alan B. Mills, Department of Institutions and Agencies, Trenton, N. J. Owners, Sanatorium for Tubercular Diseases, Glen Garden, N. J. Brick, reinforced concrete, stucco, steel, tin, slag and copper roofing, rubber

tile and cement floors, hollow tile, safety treads, architectural terra cotta, bluestone, integral waterproofing, ornamental iron work, iron stairs, floor hardener, bond, hollow metal and steel doors, copper skylights, tile and marble, metal lath, metal corner beads, painting, glazing, steel dressers, screens, plate glass (plumbing, heating, electric and elevators separate). Employees' Dormitory, three stories and basement, 31x90 feet; Infirmary

PHILADELPHIA AS A BUILDING CENTER

Official Figures Showing in Detail the Constructive Activity of the First Six Months of 1925

New Buildings Erected from January 1 to June 30, 1925

	Jan.	Feb.	March.	April.	May.	June.	Operations.	Estim'd Cost.
Places of Amusement.....	..	..	1	1	..	..	2	\$40,000
Charitable Institutions	..	..	..	..	..	1	1	42,000
Churches	..	..	..	..	5	..	5	613,650
Clubs	..	..	..	..	2	..	2	120,000
Dwellings, one-story	..	..	4	2	6	3	15	43,200
“ two-story	391	1045	2672	1473	1103	1046	7730	41,276,145
“ three-story	7	22	57	80	42	46	254	3,029,375
“ frame	10	21	49	36	44	18	178	901,450
Banks	..	..	2	1	1	2	6	485,500
Garages	68	137	315	323	264	213	1320	4,218,945
Grain Elevators	..	1	..	..	..	..	1	175,000
Halls	..	1	..	3	..	..	4	202,000
Hospitals	..	..	..	..	2	..	2	1,000,000
Manufactories	2	5	4	6	11	6	34	1,825,820
Miscellaneous Buildings	9	7	27	19	22	16	100	150,205
Office Buildings	2	1	5	4	3	4	19	3,907,800
Parish Buildings	..	..	..	1	..	..	1	35,000
Railroad Stations	1	..	..	..	..	..	1	70,000
Recreation Buildings	..	..	3	..	..	..	3	26,200
Rooming Houses	6	..	..	..	..	..	6	86,000
Schools	2	..	..	2	1	3	8	4,418,555
Stables	1	1	..	..	1	6	9	59,900
Stores	3	9	9	16	2	11	50	1,195,285
Tenement Houses	11	8	14	8	6	5	52	11,367,000
Warehouses	4	7	6	10	..	4	31	884,300
Workshops	3	6	18	8	7	3	45	310,700
Total New Buildings.....	520	1271	3186	1993	1522	1387	9879	\$76,484,030
Additions	109	215	321	283	327	356	1611	5,845,140
Alterations and Repairs.....	242	345	480	422	397	390	2276	3,016,900
Grand Total							13,766	\$85,346,070
Fire Escapes							59	57,505
Heaters							20	19,345
Signs							156	52,980
Miscellaneous Work							631	538,615
Total Work of All Kinds.....							14,632	\$86,014,515

TWO-STORY DWELLINGS—Including Two-Story Stores and Dwellings

Wards.	3	8	14	15	18	21	22	23	25	26	27	28	30	33	34	35	38	39	40	41	42	43	44	45	46	48	24	36	Totals
January						135	9		53						34	70			5	29	11				45				391
February						8	46	144	2						7	185	1	8	135	81	418	4		6					1045
March	1	1			4	55	258	224	3		1	1			193	141	97	135	430	353	740		3	4	28				2672
April			1			51	133	256					1		50	191	85	6	175	62	395	5		11		51			1473
May				55		39	152	23						1	5	120	46		174	143	309	12		8			2	14	1103
June						4	170	77							58	111	34	42	130	35	213			6	16			150	1046
Totals	1	1	1	55	4	157	894	733	5	53	1	1	1	1	313	782	333	191	1044	679	2104	32	3	35	44	96	2	164	7730

THREE-STORY DWELLINGS—Including Three-Story Stores and Dwellings

Wards.	2	3	4	10	14	15	20	21	22	23	27	29	34	35	38	40	41	42	46	Totals
January	..	..	..	..	..	..	..	..	1	..	..	..	..	..	2	..	..	4	..	7
February	1	..	..	..	..	..	..	..	9	1	1	1	8	..	..	..	..	1	..	22
March	..	..	..	..	..	..	..	1	13	1	..	..	7	22	4	3	..	4	2	57
April	..	..	1	1	..	..	..	3	28	..	..	..	18	4	4	..	..	21	..	80
May	..	2	..	..	..	1	2	2	11	1	..	..	..	..	2	1	..	20	..	42
June	1	1	1	..	1	..	..	..	7	..	..	..	8	..	2	..	6	19	..	46
Totals	2	3	2	1	1	1	2	6	69	3	1	1	41	26	14	4	6	69	2	254

Building, two stories and basement, 74x34 feet; Children's Building, three stories and basement, 284x41 feet, wing 43x100 feet; Dining Hall, alterations and additions; Nurses' Quarters, one story, 51x21 feet, new roof. Contracts awarded to Bowe & Millimet, Union City, N. J. Infirmary, \$57,450; Employees' Building, \$69,062; Children's Building, \$206,000.

Dormitory, Kitchen and Dining Room (add.), Woodbine, N. J. Architects, Department of Institution and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, Colony for Feeble Minded Men, Woodbine, N. J. Dormitory, brick, concrete block, steel, two stories, 73x27 feet, 41x43 feet, slate roof, concrete floors, terrazzo work. Kitchen and Dining Room (add.), Brick, one story, 40x20 feet, slate roof, cement floors (heating, electric and plumbing separate). Contract awarded to Geo. W. Shaner & Son, Palmyra, N. J.

Agricultural College (alts.), New Brunswick, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, Agricultural College, New Brunswick, N. J. General alterations, slate roof, concrete floors, roof ventilators, iron stairs. Contract awarded to Lambertson & Reese, Perth Amboy, N. J.

Nurses' Home, Trenton, N. J., \$210,700. Architect, W. A. Kleman, First National Bank Building, Trenton, N. J. Owners, St. Francis' Hospital, Chambers and Hamilton streets, Trenton, N. J. Fireproof, three stories, 100x175 feet, electric work (heating, plumbing and electric reserved. Contract awarded to Chas. J. Smith, 202 Academy St., Trenton, N. J.

School, Burlington, N. J., \$32,025. Architect, R. A. Schumann, 202 West State street, Trenton, N. J. Owners, All Saints' R. C. Church, Rev. A. K. Szostakowski, 502 South High street, Burlington, N. J. Brick, steel, two stories and basement, 98x58 feet, slate roof, maple floors, roof ventilators, damp-proofing, steel stairs, steam heat, electric light. Contract awarded to Albert Pepiak, 1011 Atlantic avenue, Camden, N. J.

County Almshouse (alts.), New Lisbon, N. J. Architect, E. A. Wightman, Bankers' Trust Building, Philadelphia. Owners, County Board of Freeholders, New Lisbon, N. J. Contract awarded F. H. Bodine, Mt. Holly, N. J. Plumbing, A. H. Sitdfile, Mt. Holly, N. J. Heating, Albert Ellis, Moorestown, N. J. Electric, E. S. Milligan, Mt. Holly, N. J.

Building, 3038 Federal Street, Camden, N. J. \$6,000. Owner, John Collingsford, 3040 Federal street, Camden, N. J. Brick and block, 1 story, 16 ft. 4-in. x 53 ft. 2-in., slag roof, hot water heat, electric light. Contract awarded to E. H. Sharp, Merchantville, N. J.

Garage and Repair Shop, 2615 High street, Camden, N. J. \$7,000. Architect, private plans. Owner, E. J. Fisher, Merchantville, N. J. Block, 1 story, 27 ft. 4 inches x 86 ft. 6 inches, slag roof, cement floors, electric light. Contract awarded to E. H. Sharp, Merchantville, N. J.

Palmer Memorial Stadium (repairs), Princeton, N. J. Associated Architects, Purdy and Henderson. Prof. Geo. Beggs, Princeton, N. J. Contract awarded White Const. Co., Jefferson Bldg., Philadelphia.

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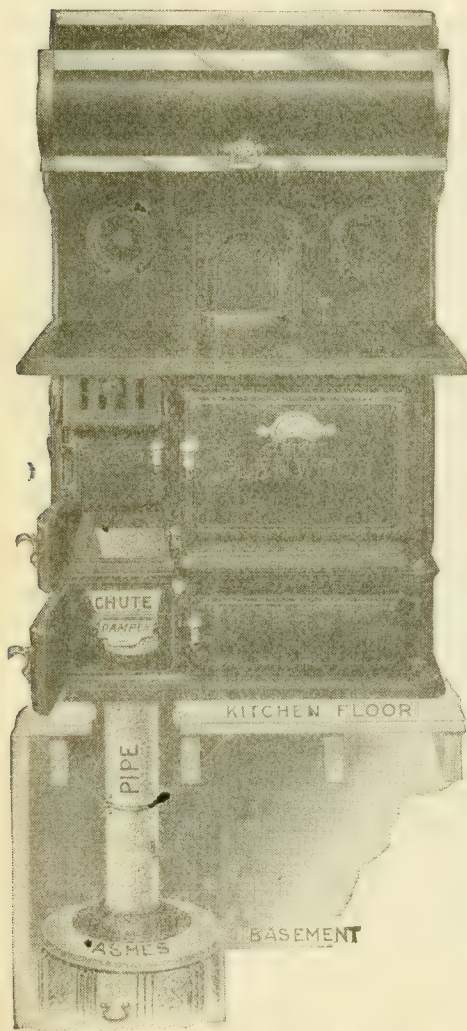
(Continued from page 419)

1925. As the number of homes and tenements have increased so much and the number of Churches decreased considerably no doubt the citizens of Philadelphia are receiving their religious instruction over the radio and saving in construction of new Churches.

In two story dwellings the forty-second ward showed the largest number started, 2,104 as compared to 1,584 started in 1924 in first half of year. The fortieth ward showed an increase this year from 671 in 1924 to 1,044 in 1925. The following wards had increases over 1924 in first six months: 21, 22, 23, 26, 35, 36, 38, 39, 40, 41, 42, 43, 48.

Just remember this: Give out courtesy, kindness, patience and good-will, and you'll get them all back with compound interest. The men who deserve to rank in Class A do not chew the lint and fuss about the small misfits of life. To take what comes and forget the rest is wisdom. Let Braggo give the janitor the call, and the Hall Boys have it out with the Ashbox Inspector—you can't afford to soil your soul with small scraps. Fight on a big scale, or not at all. The folks who have trouble with ushers are always looking for trouble—and find it. Smile, old boy, smile!

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Liability Under Letters of Credit	24,835.00
Interest Earned Uncollected	197,377.40
Due from Banks	12,736,264.26
Cash and Reserve	4,810,244.63
Exchanges for Clearing House	3,068,266.22

\$66,622,599.85

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Capital	\$ 2,000,000.00
Surplus	4,500,000.00
Undivided Profits	1,419,648.87
Reserved for Taxes, etc.	114,408.53
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\$66,622,599.85

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Mitchell Bros.2125 Race St., Phila.

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Schnitzler & Wilt.....Morton, Pa.

BUILDING NEWS.

Daily Building News.....Perry Bldg., Phila.

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Camden Materials Co....1345 Pine St., Camden, N. J.
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Massiah, Frederick, Juniper and Cypress Sts., Phila.

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Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

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Pearce Fireproof Co.1911 N. 2nd St., Phila.

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CURTIS WOODWORK.

Gillingham Co.Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS.

Building News Pub. Co.Perry Bldg., Phila.

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Anti-Hydro Waterproofing Co.,
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Reisbord, Wolf4437-43 Ludlow St., Phila.

Wood, Alan, Iron & Steel Co., Widener Bldg., Phila.

KITCHEN CABINETS.

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Robbins, Chas. H., Co.1729 Sansom St., Phila.

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July 15, 1925

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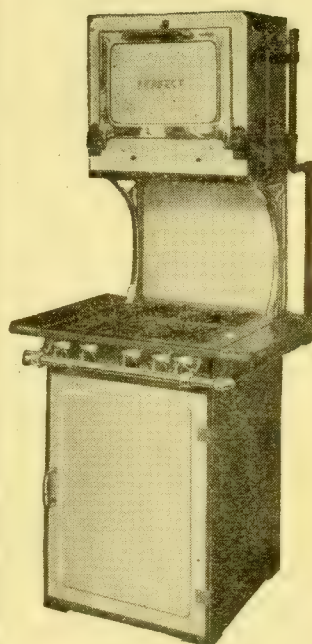
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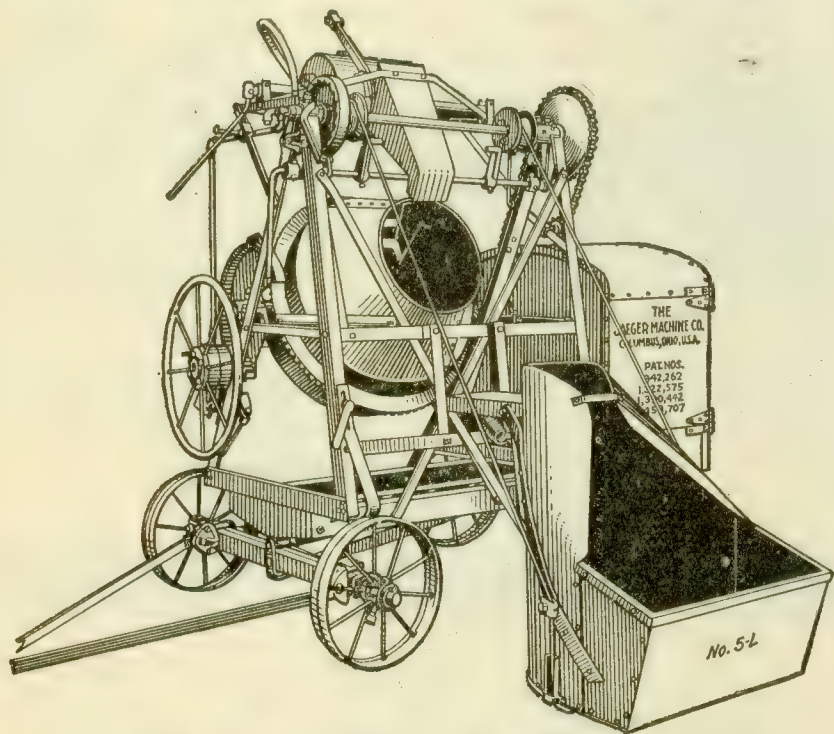
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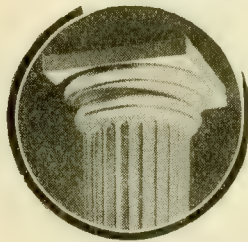
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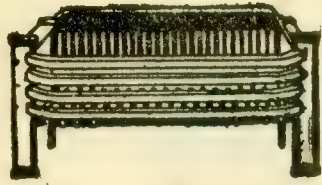
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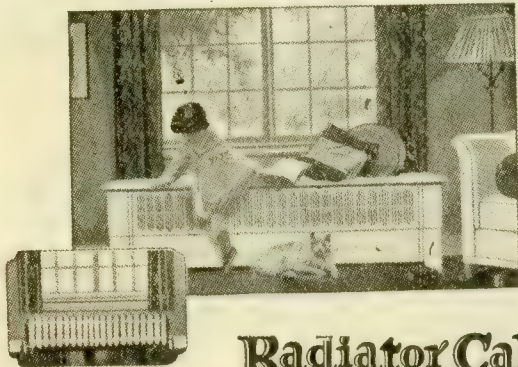


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Devoted to the Advancement of American Architecture, Structural

VOLUME XL

Engineering and the Building Trades

PHILADELPHIA

Number 28

July 15, 1925

BUILDERS' GUIDE

PUBLISHED WEEKLY

BY

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS;

CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

New Section of Art Museum, Fairmount Park, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Fairmount Park Commissioners, T. C. Martin, 127 City Hall. Stone, brick, cut stone, 1 story, 200x100 feet, Mankato marble, tile and slag roof, cement floors. Plans in progress.

Approaches to Art Museum, Fairmount Park, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Fairmount Park Commissioners, T. C. Martin, 127 City Hall, Philadelphia. Plans in progress.

Moving of Washington Monument to New Foundations, Fairmount Park. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Fairmount Park Commissioners, T. C. Martin, 127 City Hall. Plans in progress.

Residence and Garage, North side Gorgas Lane, east of Crittenden Street, Philadelphia, \$16,000. Architect, private plans. Owners, Johnson and Telley, Room 11, P. O. Building, Germantown, Philadelphia. Stone, 3 stories, 27x40 feet, garage: 1 story, 20x20 feet, slate roof, hardwood, pine and cement floors, hot water heat, electric light. Owners will build.

Residences (12), East side Shelbourne Street, north of Deverdaux Street, Philadelphia, \$4500 each. Architect, private plans. Owner, John H. Bauer, 4938 N. Fairhill street, Philadelphia. Brick, 2 stories, 16x27 feet, 12x10 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (4), 1913-15 and 1912-14 Borbeck Ave., Philadelphia, \$4,200 each. Architect, private plans. Owner, Geo. Ramsey, 22 Central Avenue, Cheltenham, Pa. Frame, 2 stories, 16x42 feet, shingle

roof, pine floors, electric light. Owner will build.

Construction of Bulk Heads with appurtenant work, Chestnut street, Schuylkill River, east side, Philadelphia. Owner, Dept. of Wharves, Docks and Ferries, 4 S. Wharves, Philadelphia. Deposit \$10.00. Refunded. Certified check 5% of amount of bid. Owner taking bids due July 24th, 11 A. M. (S. T.)

Residences (520), Bridge Street and Summerale avenue, Philadelphia. Architect, private plans. Owner, J. P. McDevitt, 1001 Pratt street, Philadelphia. Brick, 2 stories, 16x42 feet, 14x35 feet, hot water heat, electric light, slag roof, pine floors. Work contemplated in spring, 1926.

Building, Broad and Locust streets, Philadelphia. Owners, Academy of Music, care of Miers Busch, Widener Building, Philadelphia. General renovation. Work contemplated.

Store and Apartment, Beechwood street and Wynecote avenue, East Germantown. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, name withheld. Brick, 2 stories, irregular in size. Sketches in progress.

Residence (alts. and add.), 6420 Drexel road, Philadelphia. Architect, David B. Bassett, 1520 Locust street, Philadelphia. Owner, P. H. Gadsden, 6420 Drexel road, Philadelphia. Stone, 1 story addition to living room and stone porch, shingle roof, hardwood floors, steam heat, electric light. Plans in progress.

Store (alts.), 2125 Walnut street, Philadelphia. Architect, Sol. Kaplan, 10 South Eighteenth street, Philadelphia. Owner, F. Tartaglia, 6 South Eighteenth street, Philadelphia. General alterations. Sketches in progress.

Garage, Fifth and Bainbridge streets, Philadelphia. Architect, William L. Charr, Vie-

tory Building, Philadelphia. Owner, Frank Fogel, care of architect. Steel, brick, 2 stories, 40x125 feet, slag roof, concrete floors, steam and oil heat, electric light, metal lath, rolled steel sash, metal lath, rolled steel skylights, bond, flush bulks, elevators, roof ventilators. Plans in progress.

Alterations and Addition, 4617 Springfield avenue, Philadelphia. Architects, Bender & Atkinson, 2773 South Seventy-first street, Philadelphia. Owner, Charles Graham, on premises. Revised plans in progress.

Store and Apartment, 5 and 7 South Sixtieth street, Philadelphia. Architect, Edwin L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, A. Brooks, on premises. Revised plans in progress.

Twin Residences and Garages (3 pairs), Fairhill street, South of Cheltenham. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, Ralph Robbins, 4733 North Camac street, Philadelphia. Brick, 2 stories, 44x20 feet each, 1 story, 10x17 feet, slag, tin, slate roof, tile, hardwood, cement floors, hot water heat, electric light. Owner taking sub-bids.

Felton Theatre (alts. and add.), Northwest Corner Rising Sun and Loudon street, Philadelphia. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owner, Samuel Shapiro, on premises. Limestone, bond, demolition, stone work, brick work, cut stone, concrete work, steel, carpentry and mill work, plastering, hardware, painting and glazing, tile and marble work, galvanized iron skylights, metal doors, ornamental iron work, structural terra cotta, architectural terra cotta, gypsum, composition and slag roof, ornamental plaster. Owner will build and is taking sub-bids.

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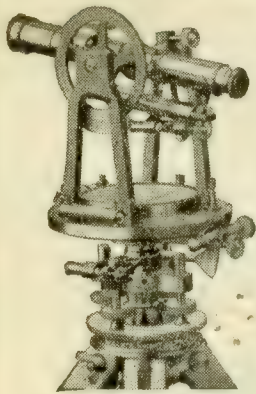
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Condition for Sale or Rent

phia. Architects, Edwin H. Silverman and Abraham Levy, Elrae Building, Philadelphia. Owner, Maurice Rose, North American Building, Philadelphia. Brick, steel, 4 stories and basement, 45x115 feet, wing 45x40 feet. Owner taking sub-bids.

Show Room, Warehouse and Garage, Sixth and Roosevelt Boulevard, Philadelphia. Architects, Webber & Wurster, 1520 Locust street, Philadelphia. Owners, Wright & Wright, 2215 North Broad street, Philadelphia. Reinforced concrete, brick, limestone, steel, 1 or 2 stories, 282x82 feet, slag roof, cement, rubber tile, linoleum floors, steam heat, electric light, metal lath, tile and marble work, rolled steel sash and skylights, bond, tin clad doors, iron stairs, ornamental iron work, shoring, architectural terra cotta, cast stone, sprinklers, rolling steel doors. Architect taking bids due July 25th at 11 A. M.

Church, Fifty-fourth and Gairnor road, Wynnefield, Pa. Architect, Henry L. Reinhold, 1513 Walnut street, Philadelphia. Owners, United Presbyterian Church, on premises. Architect taking bids due July 27th at noon.

Public Garage, 3242 North Seventeenth street, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, Joseph Lupowitz, Fourth and Roosevelt Boulevard, Philadelphia; 206 South Massachusetts avenue, Atlantic City, N. J. Brick, steel, limestone, 1 story, 80x100 feet, 60x192 feet, gypsum roof, concrete floors, steam heat, electric light, rolled steel sash, hollow metal skylights. Owner will build and is taking sub-bids.

Residences (2), Sixty-fifth and Camac streets, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, Ralph Robbins, 4716 North Camac street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, slate roof, hardwood floors, garages, 1 story, 10x17 feet, hot water heat, electric light, tile work. Owner ready for sub-bids.

Residences (20), Charles and Brill streets, Frankford, Philadelphia. Architect, private plans. Owner, George Schwinn, Scattergood and Hawthorne streets, Philadelphia. Brick, 2 stories, 16x37 feet, slag and tin roof, hardwood and mineral floors, cement work, metal lath, hot water heat, electric light, garages in basement. Owner taking sub-bids. Owner will improve part of lot—Adams avenue, Tabor road, Roosevelt Boulevard at later date. Will sell portion.

Store (alts.), Southeast Germantown avenue and Sunset street, Philadelphia. Architect, William H. Wooters, 816 West Allegheny avenue, Philadelphia. Owner, A. C. Adams, on premises. Brick, 2 stories rear addition, 16x20 feet, slag roof, pine and hardwood floors (plumbing, heating, electric work reserved), plastering, stone work, cement work, stucco (plaster), carpentry and mill work, leaded glass, metal bulks, excavation. Architect will be ready for bids in three days.

Garage, Callowhill street, West of Eighth street, Philadelphia. Architect, Fred N. Greisler, 1035 Walnut street, Philadelphia. Owner, care of architect. Brick, steel, concrete, 2 stories, 60x130 feet, slag roof, con-

crete floors, electric elevators, steam heat, electric light, rolled steel sash, hollow metal skylights. Architect taking sub-bids due as soon as possible.

Church (alts.), Thirty-fifth and Baring streets, Philadelphia. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owners, Northminster Presbyterian Church, care of J. B. C. Mackie, 3504 Baring street. Architect will sub-let.

Administration Building, Plaza, Moyamensing and Broad street, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Sesqui-Centennial International Exposition, in Philadelphia. Metal lath, stucco, steel, 2 stories, 200x40 feet, wing 16x42 feet, gypsum asphalt roof, composition and cement floors, metal lath, rolled steel sash, bond, ornamental iron work (plumbing, heating, electric separate), metal toilet partitions, dumb waiter, integral waterproofing. Certified check, 5 per cent. of bid. Owners taking bids due July 17th, 2 P. M.

Manufacturing Building (add.), Germantown avenue and Pastorius street, Philadelphia. Architect, Henry H. King, 6752 Germantown avenue, Philadelphia. Owners, James R. Kenrick Co., Inc., on premises. Brick, concrete, steel, 4 stories and basement, 70x45 feet, tile and composition roof, maple, cement and composition floors, roof ventilators, architectural terra cotta, ornamental iron work, iron stairs, floor hardener, bond, hollow metal doors, rolled steel sash, plumbing, wrought iron pipe. Architect taking bids due July 17th.

Hosiery Mill (add.), Fifth and Luzerne streets, Philadelphia. Architect, private plans. Owners, Apex Hosiery Co., on premises. Reinforced concrete, brick, 6 stories and basement, 154x95 feet, built-up roof, cement floors, elevators, plumbing, steam heat, rolled steel sash, kalamein doors, ornamental iron work, cast stone, elevator doors, metal toilet partitions, sprinkler system, Byers or Reading wrought iron pipe. Owners taking bids due as soon as possible.

Manufacturing Building, Southwest Corner Franklin and Spring Garden streets, Philadelphia. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Owner, L. Fein, 718 Spring Garden street, Philadelphia. Brick, concrete, steel, 6 stories, 106x73 feet, slag roof, cement and pine floors. Owner taking bids due as soon as possible.

Service Quarters (alts.), Seventh and Church lane, Philadelphia. Architect, Ralph Goldberg, 10 South Eighteenth street, Philadelphia. Owners, Jewish Foster Home and Orphan Asylum, on premises. Architect taking revised bids due as soon as possible.

Miscellaneous Work. Owners, Department of Public Works, Bureau of Highways, 232 City Hall. Grading, asphalt paving, country road improvement, asphalt repaving, redress granite block repaving, asphalt paving mixtures. Certified check 5 per cent. of amount of bid. Owners taking bids due July 21st, 11 A. M. (Standard Time).

Sunday School, Tyson and Glenlock streets, Tacony, Pa. Architect, Samuel Milner, 1117

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Foulkrod street, Philadelphia. Owners, Disston Memorial Presbyterian Church, on premises. Stone, 2 stories and basement, 121x51 feet, steam or hot water heat, electric light, variegated slate roof, pine, maple and cement floors. Architects taking bids due July 20th at noon.

Bank (alts. and add.), 5222-24 Germantown avenue, Philadelphia. Architects, Furness & Evans, 315 South Fifteenth street, Philadelphia. Owners, Queen Lane National Bank, on premises. Shoring, brick work, cut stone, structural steel, carpentry and mill work, Stedman Naturized floors, plastering, painting, hardware, repairs to roof. Architects taking bids due July 18th at noon.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Water, 216 City Hall. Owners taking bids due July 22nd, 11 A. M. (Standard Time). Contract No. 766-A, furnish and deliver pig lead. Contract No. 767-A, potimeter survey of trunk mains of the water distribution system. Contract No. 768, furnish and deliver steel waste water troughs at Torresdale filters. Contract No. 769, furnish and deliver cast iron pipe and specials. Certified check 5 per cent. of amount of bid. Inquire Room 788.

Residences (25), South side Buist avenue, Sixty-fourth to Sixty-fifth street, \$101,000. Architect, private plans. Owners, Holden, Sklar & Friedman, Northeast Corner Fifty-seventh and Florence avenue. Brick, 2 stories, (23) 16x32 feet, (2) 16x36 feet, slag roof, hardwood and pine floors, electric light. Owners will build.

Residences (13), West side Argyle street, North of Devereaux street, \$45,500. Architect, private plans. Owners, H. F. Harting & Son, 927 Tyson street, Philadelphia. Brick, 2 stories, 16x25 feet, 12x10 feet, slag roof, pine floors, electric light. Owners will build.

Residence, Northwest Corner Sixth and Medary avenue, Philadelphia, \$30,000. Architect, private plans. Owner, W. W. Anstine, Frankford and Oxford avenues, Philadelphia. Stone, 3 stories, 32x46 feet, 2 stories, 7x18 feet, slate roof, hardwood and pine floors, electric light, tile work. Owner will build.

Shop (add.), 2016 South Eleventh street, Philadelphia, \$20,000. Architect, private plans. Owners, Alberto & Sons, 2016 South Eleventh street, Philadelphia. Brick, 2 stories add., 31x31 feet, 48x23 feet, slag roof, electric work, pine floors. Owners will build.

Warehouse, 2336-38 Vine street, Philadelphia, \$5,000. Architect, private plans. Owner, Anthony Gallagher, 3700 Haverford avenue, Philadelphia. Brick, 2 stories, 29x100 feet, slag roof, pine floors, electric light. Owner will build.

Residences (28), Seventy-third and Passunk avenue and Lloyd street, \$116,000. Ar-

chitect, private plans. Owner, C. J. Jamison, 1524 Chestnut street, Philadelphia. Brick, 2 stories, 16x30 feet, (1) 16x45 feet, slag roof, hardwood and pine floors, electric light. Owner will build.

Residences (5), West side Broad street, South of Champlost avenue, \$8,000 each. Architect, private plans. Owner, Harry Levin, 5255 Pine street, Philadelphia. Brick, 3 stories, 16x27 feet, 12x27 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (25), Residences and Stores (1), Wagner street, South of Tabor road, \$165,000 total. Owner, J. M. Faust, 4611 North Broad street, Philadelphia. Brick, 2 stories, various sizes, hardwood and pine floors, hot water heat, electric light. Owner will build.

Work Shop, 1310-12 West Cumberland street, Philadelphia, \$5,000. Architect, private plans. Owner, Conrad Wacker, 1304 West Cumberland street, Philadelphia. Brick, 1 story, 29x78 feet, slag roof, pine floors, electric lighting. Owner will build.

Residences (5), North side Cheltenham street, East of Saul street, \$4,000 each. Architect, private plans. Owner, W. Robinson, 4666 Oakland street, Philadelphia. Brick, 2 stories, 20x28 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residences (11), North side Lindley avenue, East of Sixth street, \$53,000. Architect, private plans. Owners, A. J. Fleischer & Sons, 739 West Roosevelt Boulevard, Philadelphia. Brick, 2 stories, 14x40 feet, slag roof, pine floors, hot water heat, electric light. Owners will build.

Residences (6), West side Oakley street, South of Robbins avenue, \$24,500. Architect, private plans. Owner, Joseph W. Schorn, 901 Unruh street, Philadelphia. Brick, 2 stories, 14 feet 11 inches x 38 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residences (2), West side Gilbert avenue, North of Gorgas lane, \$7,000 each. Architect, private plans. Owner, Henry A. McGough, 1350 East Haines street, Philadelphia. Brick, 2 stories, 17x41 feet, hot water heat, electric light, hardwood and pine floors. Owner will build.

Residences (add.), 121 Green street, Philadelphia, \$3,000. Architect, private plans. Owner, M. Lodick, 2453 North Stanley street, Philadelphia. Brick, 3 stories add., 14x58 feet, slag roof, pine floors, electric work. Owner will build.

Schools, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Low bidders: Eighth and Parrish School—

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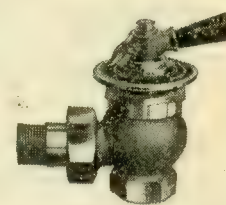
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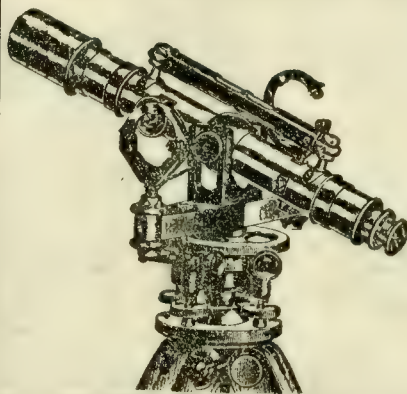


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McCloskey Co., 1620 Thompson street, Philadelphia, \$284,284; William Langhorne, 10 South Eighteenth street, Philadelphia, \$289,875; plumbing, L. J. Somers, 2436 Brown street, Philadelphia, \$13,129; heating, McClintock Co., 5608 Race street, Philadelphia, \$28,995; electric, Enterprise Elec. Co., 239 South Tenth street, Philadelphia, \$5,344; ventilating, Mellon Co., 4415 Ludlow street, Philadelphia, \$1,270. Seventeenth and Christian School—McCloskey Co., 1620 Thompson street, Philadelphia, \$284,284; W. R. Dougherty, 1610 Sansom street, Philadelphia, \$291,700; plumbing, L. J. Somers, 2436 Brown street, Philadelphia, \$12,920; heating, McClintock & Co., 5008 Race street, Philadelphia, \$28,990; electric, Enterprise Elec. Co., 239 South Tenth street, Philadelphia, \$5,257; ventilating, Mellon & Co., 4415 Ludlow street, Philadelphia, \$1,270. Forten School—Mitchell Brothers, 2125 Race street, Philadelphia, \$19,990; E. C. Durrell, 1713 North Twenty-fourth street, Philadelphia, \$21,284; plumbing, S. Faith & Son, 2426 Pennsylvania avenue, Philadelphia, \$4,623; heating, S. Faith & Son, 2427 Pennsylvania avenue, Philadelphia, \$371. Benney School—E. C. Durrell, 1713 North Twenty-fourth street, Philadelphia, \$12,523; Mitchell Brothers, 2125 Race street, Philadelphia, \$13,490; plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$5,388; heating, Thompson Brothers, 520 Buttonwood street, Philadelphia, \$6,569. Spec-

ification No. 238, painting various schools: J. Murphy, 1835 Ludlow street, Philadelphia, \$4,395. Specification 239: H. W. Ehringer, Sixth and Duncannon streets, Philadelphia, \$570. Specification 252, painting: J. J. Murphy, 1835 Ludlow street, \$3,200. Specification 246, electric: Enterprise Elec. Co., 239 South Tenth, \$4,100. Specification 263: H. Hart, 7010 Ditman street, Philadelphia, \$1,115; Specification 264: Ross Elec. Co., 106 Fairmount avenue, \$1,997. Specification 265, electric: Enterprise Elec. Co., 239 South Tenth street, \$854. Specification 266: Enterprise Elec. Co., 239 South Tenth street, Philadelphia, \$878. Specification 267, electric: Enterprise Elec. Co., 239 South Tenth street, \$800. Specification 268, electric: Ross Elec. Const. Co., 106 Fairmount avenue, \$1,497. Specification 269, electric: E. F. Goldhahn, 4335 Chestnut street, \$1,076. Specification 270, electric: Ross Elec. Const. Co., 106 Fairmount avenue, \$800. Specification 271, electric, McKean School: Enterprise Elec. Co., 239 South Tenth street, \$1,284. Specification 272, electric: Enterprise Elec. Co., 239 South Tenth street, \$1,953. Specification 273, electric: Enterprise Elec. Co., 239 South Tenth street, \$480. Specification 274, electric: Enterprise Elec. Co., 239 South Tenth street, \$1,333. Specification 275, electric: Enterprise Elec. Co., 239 South Tenth street, \$326. Specification 276, electric: Ross Elec. Co., 106 Fairmount avenue, \$1,837.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Stores (alts.), 102 South Thirteenth street, Philadelphia. Architect, Emil G. Perot, 1211 Arch street, Philadelphia. Owners, Kennedy & Bros., on premises. New store front, marble work, patching plastering, millwork, electric work, alterations, painting. Contract awarded Farrell Roth, 1624 Spruce street, Philadelphia.

Restaurant (alts.), 12 North Thirteenth street, Philadelphia, \$15,000. Architect, private plans. Owner, D. A. Schulte Co., 1324 Walnut Street, Philadelphia. General alterations. Contract awarded to Wm. F. Krah, 21 Juniper street, Philadelphia.

Residence (alts. and add.), 3707 Spruce street, Philadelphia, \$15,000. Architect, private plans. Owner, Max Ochart, on premises. Brick, 1 story, 18x65 feet, 2nd

story 14 feet 6 inches x 65 feet, general alterations. Contract awarded to M. Benjamin, 5913 Chancellor street, Philadelphia.

School (finishing 4 rooms) Twenty-third and Mifflin Street, Philadelphia. Architect, Geo. I. Lovatt, 223 S. Sydenham St., Philadelphia. Owner, St. Edmund's Parochial School, on premises. Plastering, metal lath, carpentry and millwork, painting and glazing. Contract awarded to D. J. McLaughlin, Collingdale, Pa.

Laboratory and Swimming Pool, Southeast Corner School lane and Fox street, \$85,000. Architects, Zantzinger, Borie & Medary, Otis Building, Philadelphia. Owners, William Penn Charter School, care of A. Scattergood, 409 Chestnut street, Philadelphia. Steel, stone, 2

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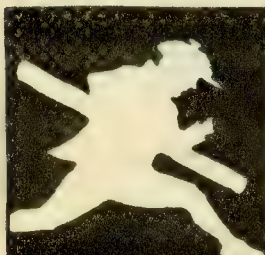
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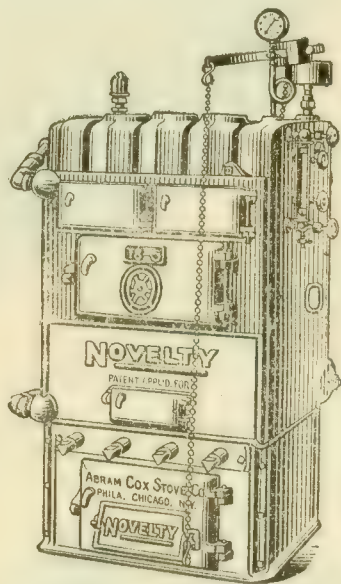
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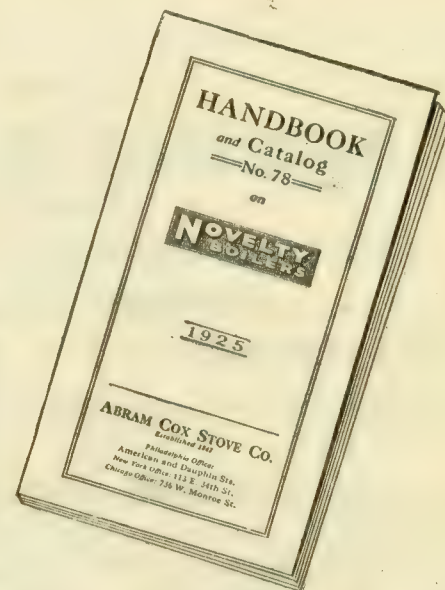
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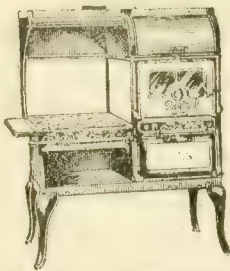
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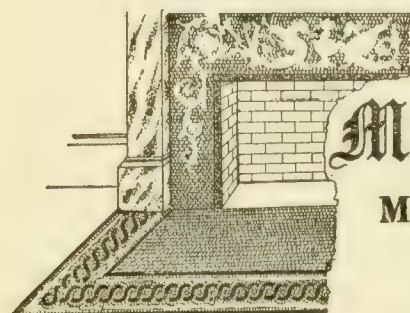
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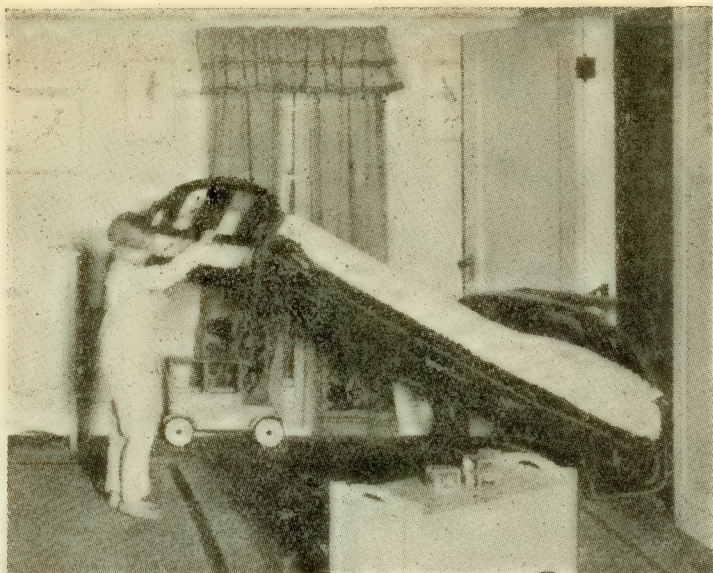
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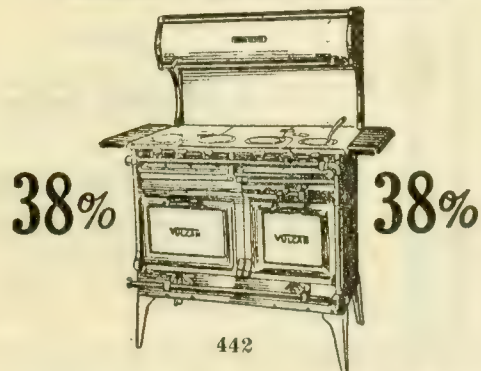
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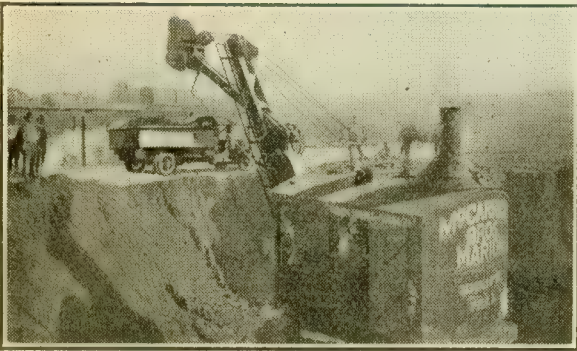
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stories, 135x47 feet, 1 story, 135x7 feet, slate roof, concrete floors, electric light, central steam heat. Contract awarded to H. H. Conway, 5800 Walnut street, Philadelphia.

Building (alts.), 121 Walnut street, Philadelphia. Architects, Bender & Atkinson, 2773 South Seventy-first street, Philadelphia. Owner, Emanuel Bookbinder, on premises. Plastering, stair work, brick work, iron work, cement work, carpentry and mill work, hardware, electric light, freight elevator, metal lath, tile work, fire doors, cold water painting, glazing. Contract awarded Henry C. Dahl, 231 South Eighth street, Philadelphia.

Auxiliary Building (alts.), 306 South Thirteenth street, Philadelphia. Architects, T. B. Lippincott and C. F. Schaef, 11 South Sixteenth street, Philadelphia. Owners, St. John's Roman Catholic Church, Rev. Monsignor F. X. Wastl, 21 South Thirteenth street. Bond, cement floors, shoring, brick work, structural iron work, plastering, Morene wall finish, marble work, slag roof, carpentry and mill work, hardware, electric work. Contract awarded Meredith Const. Co., 11 South Sixteenth street, Philadelphia.

Hotel (alts. and add.), 109 South Tenth street, Philadelphia. Architects, Houston & Lewis, 1713 Sansom street, Philadelphia. Owners, McAlpin Hotel, on premises. Brick work, 10 stories and basement, 19x58 feet. Contract awarded Rolfe C. Mitchell, 1922 Sansom street, Philadelphia.

Residence, Emlen, North of Allen's lane, Philadelphia. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, J. E. Gowen, care of Dr. D. W. Woodward, Mt. Airy, Philadelphia. Stone, 2½ stories, slate roof, hardwood floors, hot water heat, electric light. Contract awarded R. Borthwick, 6511 Woodstock street, Philadelphia.

Alterations, 1601 Wallace street, Philadelphia, \$10,000. Architect, J. Warren Myers, 1714 Bankers' Trust Building, Philadelphia. Owner, name withheld. Plumbing, carpentry and mill work, plastering, painting, glazing, hot water heat, electric work, hardware. Contract awarded J. L. Fawley, 1615 Spruce street, Philadelphia.

Residence, 1928 Panama street, Philadelphia. Architect, Alex. M. Adams, 1012 Walnut street, Philadelphia. Owner, William B. Simpson, on premises. Brick, stone, 2½ stories, 32x48 feet, hot water heat, electric light, tile work, variegated slate roof, oak, pine floors, ornamental iron. Contract awarded J. B. Kelly, 2315 Walnut street, Philadelphia.

Factory (alts.), 439 West Berks street, Philadelphia. Architect, Jess Brinton Young, 54 Mildred avenue, Roslyn, Pa. Owners, A. B. C. Poreh Enclosure Co., on premises. Brick, steel (plumbing, heating and electric reserved), slag roof, carpentry and mill work, concrete work, painting and glazing, rolled steel sash, ornamental iron work. Contract awarded F. & S. Const. Co., 554 North Sixteenth street, Philadelphia.

Residence, Chestnut Hill, Pa. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owner, Edward Hopkinson, Jr., on premises. Stone, cut stone, brick, 2½ stories and basement, 32x36 feet, variegated slate roof, rubber tile and oak floors, plumbing, painting and glazing, hot water heat, electric light, metal lath, tile work, linoleum floors, bluestone, hardware, dustproofing, Byers or Reading wrought

iron pipe. Contract awarded W. J. Gruhler, 219 East High street, Philadelphia.

Barn (alts. to new Garage), Chestnut Hill, Pa. Architects, Tilden & Register, 1520 Locust street, Philadelphia. Owner, Marshall Seull, on premises. Stone, frame, 2 stories, 21x23 feet, shingle roof, cement floors. Contract awarded to E. R. Hall, 34 South Seventeenth street, Philadelphia.

Residence and Office (alts. and add.), 2829 West Girard avenue, \$4,000. Architects, Newbauer & Supowitz, 929 Chestnut street, Philadelphia. Owner, Margaret Johanson, 4727 Baltimore avenue, Philadelphia. Brick, 1 story add., 18x10 feet, general alterations. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

Store, East side Germantown avenue, North of Willow Grove avenue, \$11,930. Architect, private plans. Owner, Fred C. Gehring, 8036 Germantown avenue, Philadelphia. Brick, 1 story, 25 feet 10 inches x 73 feet, slag roof, pine floors, electric work. Contract awarded to Wolverton & Co., 224 East Willow Grove avenue.

Factory (add. and alts.), Northeast Corner Emerald and Willard streets, \$8,000. Architect, private plans. Owners, Madison Spinning Co., on premises. Brick, second story add., 36x40 feet, general alterations. Contract awarded to Curtis-Gindrod Co., 10 South Eighteenth street.

Store, Southeast Corner Moore and Moyamensing avenue, Philadelphia, \$16,000. Architect, private plans. Owner, D. Averbach, 105 Kenilworth street, Philadelphia. Brick, 2 stories, 18x68 feet, slag roof, pine floors, electric light, steam heat. Contract awarded to Jacob Bender, 201 Shubert Building, Philadelphia.

Residence and Garage (alts.), Southwest Corner Huron and Moreland streets, \$10,000 total. Architect, private plans. Owner, Frederick Strawbridge, on premises. General alterations. Contract awarded to R. C. Balingier, 925 Walnut street, Philadelphia.

Office, Southeast Corner Wingate and Tulip streets, Philadelphia, \$5,000. Architect, private plans. Owner, John Harrison, Jr., on premises. Brick, 1 story, 49 feet 6 inches x 49 feet 6 inches, slag roof, yellow pine floors, electric lighting. Contract awarded to Barclay White Co., 1713 Sansom street, Philadelphia.

Store and Manufacturing Building, 934 Cuthbert street, Philadelphia, \$5,000. Architect, private plans. Owner, Jaffe, 918 Cuthbert street, Philadelphia. Brick, 2 stories, 20x50 feet, slag roof, pine floors, electric work. Contract awarded to S. Yellin & Son, 3125 Montgomery street, Philadelphia.

Apartment (alts. and add.), 418-20 Race street, Philadelphia, \$2,600. Architect, private plans. Owner, H. G. Read, on premises. Brick, 2 stories add., 16x34 feet, general alterations. Contract awarded to Wilbur S. Green, 1504 Montrose street, Philadelphia.

Residence, North side Faunce street, West of Bingham street, \$6,000. Architect, private plans. Owner, E. C. Yeates, 3153 Rorer street, Philadelphia. Cinder block and frame, 2 stories, 24x29 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded to P. E. Goodman, Fox Chase, Pa.

Residence (alts.), 3312 Hamilton street, Philadelphia, \$6,000. Architect, private plans. Owner, Mrs. Minnie Stral, on premises. General alterations. Contract awarded to David Resnick, 1710 North Lindenwood street.

Residence (alts. and repairs), 2226 Delancy street, Philadelphia. Architect, private plans. Owner, Dr. Morgan, Northeast Corner Twenty-second and Sansom streets, Philadelphia. General repairs and alterations. Contract awarded to John P. Hallahan, 2315 Walnut street, Philadelphia.

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Residence (alts.), 2006 Delancy street, Philadelphia, \$3,000. Architect, private plans. Owner, Mrs. Rosenbach, on premises. General alterations. Contract awarded to F. A. Havens Co., 845 North Nineteenth street, Philadelphia.

Store and Residence (alts.), Northeast Corner Fifth and Wolf streets, \$3,500. Architect, private plans. Owner, A. H. Bramovitch, 6107 Market street, Philadelphia. General alterations. Contract awarded to L. Caplan, 602 McKean street, Philadelphia.

Church, East side Ardleigh street, South of Phil-Ellena street, \$10,000. Owner, D. Cardinal Dougherty, Eighteenth and Race streets, Philadelphia. Frame, 1 story, 43x83 feet. Contract awarded to D. W. O'Dea, 420 Duncan-non street, Philadelphia.

Building (alts.), Northwest Corner German-town avenue and York street, \$5,000. Architect, private plans. Owner, Charles J. Henzel, 4844 Mascher street, Philadelphia. General alterations. Contract awarded to M. Katz & Co., 5038 North Hutchinson street.

Building (add.), Northwest Corner Torresdale avenue and Bridge street, \$4,000. Architect, private plans. Owner, Frank Iamuzzi, 2099 Bridge street, Philadelphia. Brick, 2 stories, 14x42 feet. Contract awarded to M. Pody, 5123 Worth street, Philadelphia.

Residence (add.), St. Martin's lane, South of Graver's lane, \$16,000. Owner, W. Joyce Sewell, Jr., on premises. Stone, 2 stories, 29x17 feet, second story, 23x12 feet, hardwood floors, heating extension, electric light. Contract awarded to George S. Roth, 230 East Graver's lane, Philadelphia.

Club House (add.), 927 North Eighth street, Philadelphia, \$8,000. Architect, private plans. Owner, Winer Genuethlick Kiet, on premises. Brick, 2 stories, 24x81 feet, slag roof, electric lighting. Contract awarded to F. J. Eigenhauer, 5207 North Marshall street.

Manufacturing Building (repairs), Northwest Corner Oregon and Weccacoe avenues, Philadelphia, \$5,000. Owners, Pennsylvania Salt Mfg. Co., Widener Building, Philadelphia. General repairs. Contract awarded to David Lutz & Co., Twenty-third and Chestnut streets.

Stores (2), 4821 Florence avenue, Philadelphia, \$5,000. Architect, private plans. Owner, M. Kramer, 6129 Walnut street, Philadelphia. Brick, 1 story, 16x25 feet, slag roof, pine floors, electric work. Contract awarded to J. Marshall, 2323 South Marshall street, Philadelphia.

Garage (add.), 2432 West York street, Philadelphia, \$4,500. Architect, private plans. Owners, George S. Raynes Estate, 2433 West York street, Philadelphia. Brick, 1 story add., 28x54 feet, slag roof, electric light. Contract awarded to J. G. T. Miller, 2325 West Allegheny avenue.

Residence (add.), 8111 St. Martin's lane, Philadelphia, \$2,500. Architect, private plans. Owner, John K. Straibing, on premises. Stone, 1 story add., 5 feet 6 inches x 15 feet, electric work. Contract awarded to R. J. White-side & Son, 2115 Wallace street.

Building (alts.), 1927-29 West Tioga street, Philadelphia, \$3,000. Architect, private plans. Owner, E. Reese, on premises. General alterations. Contract awarded to H. P. Schneider, 3713 Old York road, Philadelphia.

Store (alts.), 516-18 E. Girard avenue, Philadelphia, \$3,000. Architect, private plans. Owner, John McCuen, 3100 Richmond street, Philadelphia. General alterations. Contract awarded to George B. Trafton, 1902 Arch street, Philadelphia.

Building (alts.), 714 Reed street, Philadelphia, \$2,600. Architect, private plans. Owners, Reed Street Neighborhood House, on premises. General alterations. Contract awarded to Charles J. W. Platt, 625 North Sixth street, Philadelphia.

Rooming Houses (2) (adds.), 104-06 South Thirty-sixth street, Philadelphia, \$2,500 each.

Architect, private plans. Owner, Stanley Ad-dicks, 106 South Thirty-sixth street, Philadelphia. Brick, 1 story add., 18x15 feet, slag roof, pine floors, electric light. Contract awarded to France & Missar, 6725 Yocum street, Philadelphia.

Residence, North side Tyson street, West of Loretta street, \$8,000. Architect, private plans. Owners, A. and E. Mensel, Helen street, Philadelphia. Stone, 2 stories, 32x40 feet, slate roof, hardwood and pine floors, electric lighting. Contract awarded to A. W. J. Williams, 3011 Linden avenue, Philadelphia.

Residence, South side Disston street, West of Loretta street, \$7,000. Architect, private plans. Owner, Edward Keyser, Jr., care of builder. Frame and stucco, 1 story, 30 feet 6 inches x 46 feet, hardwood and pine floors, electric light. Contract awarded to A. W. J. Williams, 3011 Linden avenue, Philadelphia.

Residence, 5901 Walker street, Philadelphia, \$6,500. Architect, private plans. Owner, R. N. Oerter, 5905 Walker street, Philadelphia. Brick, 2 stories, 25x36 feet, hardwood and pine floors, electric light. Contract awarded to E. M. Carlson, 3224 Higbee street, Philadelphia.

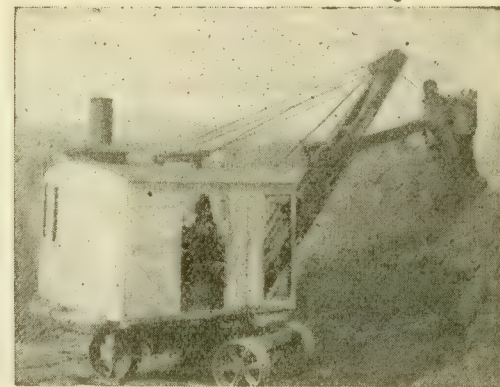
Store and Residence (alts.), 2639 East Somerset street, \$3,900. Architect, private plans. Owner, L. Curiseo, on premises. Brick, 2 stories add., 14x16 feet, 12x11 feet, general alterations. Contract awarded to Daniel Di Zio, 2523 East Somerset street.

Residence (add. and alts.), 139 North Forty-ninth street, Philadelphia, \$2,600. Architect, private plans. Owner, M. Carman, on premises. Brick, 1 story add., 16x4 feet, general alterations. Contract awarded to Sol. Getz, 2720 West Oxford street, Philadelphia.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Surveys, City Hall. Contracts awarded. Furnish and laying 24-inch, 16-inch and smaller C. I. pipe, Germantown, Oak Lane, Logan and Roxborough, 6-inch, 8-inch, 12-inch in other sections. Peter & A. J. Ellis, 5724 North Marshall street, Philadelphia, \$675,965. Laying 6-inch, 8-inch water pipe in Fortieth Ward. M. & J. B. McHugh, 493 North Markoe street, Philadelphia, \$132,639.

Store Building, 3661 Woodland avenue, Philadelphia. Architect, private plans. Owners, Dolfas & Moros, on premises. Brick, stone, excavation, slag roof, sheet metal work, 1 story and basement, 40x60 feet, cement floors, plate glass, bulks, plumbing, electric, hot water heat. Contract awarded S. Sidney Lewis, Real Estate Trust Building, Philadelphia.

Apartment House and Residences (14), Owner, William Freihofer, Twentieth and In-



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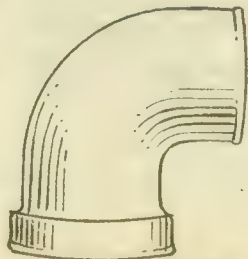
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diana avenue, Philadelphia. Brick, 3 stories, apartment 23 feet 6 inches x 77 feet; resi-Frankford avenue and Foulkrod street, Philadelphia, \$271,000. Architect, private plans. dences (3), 18x68 feet, (8) 17x68 feet, (3) 32x31 feet, slag roof, hardwood floors, electric lighting. Contract awarded to P. Hainbach Cont. Co., 1261 North Twenty-sixth street.

Manufacturing Building (alts. and add.), 305 Brown street, \$10,000. Architect, private plans. Owner, Simon Weil, 1144 North Second street, Philadelphia. Brick, second story add., 54x91 feet, general alterations. Contract awarded to Charles S. Bannett, 1633 South Fifty-ninth street, Philadelphia.

Residences (2), East side Silverwood street, North of Paoli avenue, \$9,000 each. Architect, private plans. Owner, C. Lombardo, 831 Catherine street, Philadelphia. Concrete block, 2 stories, 18x60 feet, hot water heat, electric light, hardwood and pine floors. Contract awarded to A. Di Rienzo, Bristol, Pa.

Manufacturing Building, East side Keystone street, North of Vandike, \$7,000. Architect, private plans. Owners, Fashion Maid Hosiery Co., on premises. Brick, 1 story, 42x50 feet, slag roof, pine floors, electric work. Contract awarded to A. E. Barnes Co., 2044 East Clementine street.

Residence, west side of Culp street, south of Flamingo street, Philadelphia, \$7,000. Architect, private plans. Owner, E. Erickson, Culp street, Philadelphia. Frame and stucco, two stories, 24x34 feet, hardwood and pine floors, electric light. Contract awarded to D. H. Wetzel, 590 East Jamestown street, Philadelphia.

Shop (add.), 6136 Palmetto street, Philadelphia, \$4,000. Architect, private plans. Owner, J. Bocintebach, on premises. Brick, one story addition, 47x24 feet. Contract awarded to Chas. T. Clark, Germantown and Sedgley avenues, Philadelphia.

Warehouse, east side of Stokley street, south of Hunting Park avenue, \$4,000. Architect, private plans. Owners, Budd Wheel Co., Twenty-fourth and Hunting Park avenue, Philadelphia. Steel, one story, 40x60 feet. Contract awarded to Wark Co., 1600 Walnut street, Philadelphia.

Store and Residence (alts. and add.), 217 South Fifty-second street, \$3,500. Architect, private plans. Owner, J. S. Zoolalian, C and Loudon streets, Philadelphia. Brick, second story addition, 14x6 feet 6 inches, general alterations. Contract awarded to Wm. Cole, 2720 West Lehigh avenue, Philadelphia.

Convent (alts.), 702 Parrish street, Philadelphia, \$3,500. Owners, St. Basil's Convent, southeast corner of Seventh and Parrish Sts. General alterations. Contract awarded to M. Baranowsky, 4332 North Fifth street, Philadelphia.

Store (alts.), 1115 Chestnut street, Philadelphia, \$3,000. Owners, Forbes, Inc., on premises. General alterations, millwork. Contract awarded to Geo. Weiss Co., 701 East Girard avenue, Philadelphia.

Apartment (alts. and add.), 2103 North Twelfth street, Philadelphia, \$2,000. Architect, private plans. Owner, S. Salaman, 2424 West Cumberland street, Philadelphia. Brick, two-story addition, 13x10 feet, 8x12 feet, general alterations. Contract awarded to B. Salaman, 2903 North Twenty-third street, Philadelphia.

Building (alts.), 525 Market street, Philadelphia, \$2,000. Architect, private plans. Owner, Wm. Goldstein, 1415 Locust street, Philadelphia. General alterations. Contract awarded to S. Yellin & Son, 3125 Montgomery avenue.

I make it a rule never to write a grouchy letter—I telephone.

Moving Picture Theatre, Stores (4), Bryn Mawr, Pa. Architects, Boyd, Abel & Gugert, Otis Building, Philadelphia. Owner, Philip Harrison, 828 Lancaster avenue, Bryn Mawr, Pa. Brick, two stories, 60x187 feet. Sketches drawn.

Residence, Garage, Tenement House, Barn (alts. and add.), Berwyn, Pa. Architect, H. G. McMurtrie, 1012 Walnut street, Philadelphia. Owner's name withheld. Stone, two and one stories. Plans in progress.

Stores (3), Apartments (4) (alts. and add.), Marshall and DeKalb streets, Norristown, Pa. Architect, H. G. McMurtrie, 1012 Walnut St., Philadelphia. Owner, H. S. Regar, 1400 DeKalb street, Philadelphia. Brick, three stories, 30x80 feet, one story, 30x50 feet. Plans in progress.

Residence, Windber, Pa. Architect, Henry L. Reinhold, Jr., 1513 Walnut street, Philadelphia. Owners, Berwin White Coal Mining Co., Windber, Pa. Preliminary plans in progress.

High School, Auditorium and Gymnasium, Bangor, Pa. Architects, Ruhe & Lange, 12 North Sixth street, Allentown, Pa. Owners, Borough of Bangor School Board, Ralph Sayre, Sayre, Secretary, Bangor, Pa. Brick, two stories, six rooms. Plans in progress.

Residences (5), Bethlehem, Pa. Architect, private plans. Owners, Speck Bros., 49 West Broad street, Bethlehem, Pa. Brick, 2½ stories, 26x26 feet, hot water heat, electric light, hardwood and pine floors. Work contemplated.

Bungalows (4), Residences (12), Holtwood, Lancaster Co., Pa. Architect, Lucius R. White, Heast Tower Building, Baltimore, Md. Owners, Pennsylvania Power & Water Co., Lexington Building, Baltimore, Md. Bungalows, frame, 1½ stories, 27x33 feet. Houses, brick, two stories, 20x30 feet. composition shingle roofing, steam heating, electric lighting. Plans in progress.

Bank (add.), Scranton, Pa. Architects, E. H. Davis & Geo. M. D. Lewis, Union Bank Building, Scranton, Pa. Owners, Traders' National Bank, care of architects. Fireproof, four or eight stories. Preliminary plans in progress.

Bank Building and Apartments (alts. and add.), Mauch Chunk, Pa. Architect, M. G. Prutzman, Court House, Mauch Chunk, Pa. Owners, Mauch Chunk National Bank, Ira Ross, President, 73 Broadway, Mauch Chunk, Pa. Brick and stone, three-story addition, 55x100 feet, new front, general interior alterations. Plans completed.

Office Building, Chester, Pa. Architect, S. Firestone, 59 South avenue, Rochester, N. Y. Owners, Pennsylvania National Bank, J. C. Taylor, President, Chester, Pa. Brick, three stories, 17x83 feet. Plans completed.

Residences (4), (2) Country Pine Road, (2) Glenbrook avenue, Bryn Mawr, Pa. Architect, J. Charles Norton, Ardmore, Pa. Owner, John Calucci, 1403 South Fifteenth street, Philadelphia. Cement block, plastering, one story, 18x30 feet, shingle roof, hot water heat, electric light, tile work, hardwood floors. Plans completed, ready for general bids.

Garages (6), rear 48 Lancaster avenue, Ardmore, Pa. Architect, J. Charles Norton, Ardmore, Pa. Owners, Ardmore Hardware Co., Ardmore, Pa. Cement building block, plastering, one story, 68x24 feet, hot water heat, electric light, slag roof, cement floors. Plans completed. Architect will take bids.

Stores (4), Apartments (4), Glenbrook avenue, Bryn Mawr, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, Andrew Marmer, Glenbrook avenue, Bryn Mawr, Pa. Brick, steel, three stories, 36x68 feet, hot

water heat, electric light, slag roof, hardwood floors, tile work, hollow metal skylights, metal ceilings, ornamental iron work. Prest prism glass. Architect taking sub-bids.

Warehouse, Bethlehem, Pa. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owners, Bethlehem Plumbing Supply Co., Twelfth avenue, Bethlehem, Pa. Brick, steel, two stories, 130x90 feet, slag roof, concrete floors, steel sash. Will take bids in about one week.

Residence Development (20 to 40), Elmwood, York, Pa. Architect, H. E. Yessler, Schmidt Building, York, Pa. Owners, H. E. Yessler & R. B. Yessler, Schmidt Building, York, Pa. Hollow tile, stone, stucco and brick, tile and slate roofing, heating and plumbing, electric light, hardwood and pine floors, tile work. Plans in progress. Owners will take sub-bids.

Garage, Royersford, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owners, American Legion, Main street, Royersford, Pa. Hollow tile, stucco, one story, 16x100 feet, tin roof, concrete floors, metal sash, bond, electric light (heating and lighting reserved). Plans in progress. Owners will take bids.

Residence, Bethlehem Pike, near Colmar, Pa. Architect, Watson K. Phillips, 213 South Fifth street, Philadelphia. Owner, Mr. Jacob Sigafos, on premises. Stucco, hollow tile, two stories, 25x36 feet, shingle roof, hardwood floors, cement work, hot water heat, electric light. Owner is taking sub-bids.

School, Rectory and Hall, Titusville, Pa. Architects, Morris & McHale, Mears Building, Scranton, Pa. Owners, St. Titus R. C. Church, Rev. J. J. McCallen, Titusville, Pa. Brick, stone, two stories and basement, 80x170 feet, Barrett roof, hardwood floors, steam heat, electric light, iron stairs, safety treads. Owners will take revised bids.

Residence and Garage, Merion, Pa., \$25,000. Architect, private plans. Owner, W. N. Lutz, Mona Vista, Sixty-third and Jefferson Sts., Philadelphia. Frame, stucco, 2½ stories, 87x35 feet, hot water heat, electric light, tile work, shingle roof, hardwood floors. Powell Construction Co., Ardmore, Pa., will build if project matures.

Residence and Garages (3), Elkins Park, Pa. Architects, Tilden & Register, 1520 Locust street, Philadelphia. Owners, Moren Realty Co., care of T. Moren, 1201 Chestnut street, Philadelphia. Stone, frame, 2½ stories, 33x22 feet, 20x21 feet, hot water heat, electric light, tile and marble work, slate roof, hardwood floors. Architects will be ready for bids in about one week.

Junior High School, Auditorium and Gymnasium, Jenkins Township, Luzerne Co., Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owner, care of architect. Brick, two stories, six class rooms. Preliminary plans in progress.

Hospital (add.), Wilkes-Barre, Pa. Architect, T. A. Foster, Coal Exchange Building, Wilkes-Barre, Pa. Owners, City of Wilkes-Barre, E. E. Mathews, Superintendent, Wilkes-Barre, Pa. Fireproof, seven stories, 42x85 feet, slag roof, terrazzo floors, hollow tile, roof ventilators, water and dampproofing, iron stairs, fire doors, tile and marble, metal lath, heating extension, electric light. Plans in progress.

Office Building, Adams avenue and Spruce street, Scranton, Pa., \$1,000,000. Architect, D. H. Morgan, Connell Building, Scranton, Pa. Owners, Company, care of Mr. and Mrs. Paul Binder, 1744 Wyoming avenue, Scranton, Pa. Steel, brick, limestone, concrete, eleven stories. Work contemplated.

School, Summit Hill, Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owners, Summit Hill School Board, W. Herdon, Summit Hill, Pa. Semi-fireproof, two

stories and basement, 130x94 feet, slag roof, pine floors, hollow tile, roof ventilators, skylights, metal lath, electric work (heating, plumbing and electric separate. Owners and architect taking bids, due July 29th.

Garage, Wilkes-Barre, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owner's name withheld. Brick, concrete, steel, one story and basement and two stories, 107x175 feet and 70x175 feet, slag roof, reinforced concrete floors, waterproofing, dampproofing, ornamental terra cotta, iron stairs, fire doors, steel sash, metal lath, steam heat, electric light. Architects taking bids, due July 22nd.

Church, Kennett Square, Pa. Architects, Price & Walton, 119 South Fourth street, Philadelphia. Owners, Kennett Square Baptist Church, on premises. Stone, 1½ stories, 35x75 feet, slate roof, maple floors, steam heat, electric light, tile work. Architects taking bids, due July 29th.

Keystone Building (alts. and add.), Ninth and Main streets, Darby, Pa. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owners, Darby Bank, A. J. Gotshall, President, Darby, Pa. Stone, concrete, brick, hollow tile, cut stone, steel, ornamental iron work, kalamein doors, carpentry and millwork, plastering, metal lath, marble terrazzo and tile work, painting and glazing, composition floors, electric work, plumbing, tin roof. Architect taking bids, due at his office July 24th 5 P. M.

Residence and Garage, Meadowbrook, Pa. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, Gustave C. Aberle, Glenside, Pa. Stone, brick, cement block, steel, stucco, 2½ stories, 111x24 feet, wing 34x25 feet, tile roof, oak, pine and cement floors, metal lath, ornamental iron work. Architect taking bids, due July 17th.

Community Center and School, Pine Grove, Schuylkill Co., Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Tremont Township School Board, G. Dohner, Secretary, Tremont, Pa. Fireproof, two stories, 60x100 feet, slag roof, maple floors, safety treads, roof ventilators (heating, plumbing and electric separate). Owners taking bids, due July 20th.

Factory, Wind Gap, Pa. Engineer, A. J. Bibighaus, 530 Hamilton street, Allentown, Pa. Owners, Kauffman Bros., Wind Gap, Pa. Brick, steel, two stories and basement, 38x112 feet, slag roof, wood floors, freight elevators, water and dampproofing, fire doors, steel sash, vapor vacuum heat, electric light. Owners taking bids.

Store (alts. and add.), 309 Jefferson street, Scranton, Pa. Architect, J. H. Davey, Coal Exchange Building, Scranton, Pa. Owner, Mrs. R. L. Cummings, on premises. Brick, steel, concrete block, one story, 40x30 feet, slag roof, pine floors, electric light, copper work. Owner taking bids, due as soon as possible.

School (add.), Mill City, Pa. Architect, J. H. Davey, Coal Exchange Building, Scranton, Pa. Owners, Fall & Overfield Townships School District, R. H. Stark, Mill City, Pa. Frame, two stories, 35x75 feet, slag roof, pine floors, roof ventilators, heating extension. Owners taking bids.

Nurses' Home, West Chester, Pa. Architects, York & Sawyer, 100 East Forty-second street, New York City. Owners, Chester Co. Hospital, Miss Hodgkins, Superintendent, West Chester. Brick, three stories and basement. Architects taking bids, due July 20th.

School (High) Auditorium and Gymnasium, Avoca, Pa. Architect, Austin Reilly, Bennett Building, Wilkes-Barre, Pa. Owners, Avoca School Board, J. Timmlen, Secretary, Avoca, Pa. Frame, two stories, 140x90 feet, slag roof, yellow pine floors, roof ventilators, electric light. Architect taking bids, due July 20th.

Schools (2), Pottsville, Pa. Architect,

Frank X. Reilly, Pottsville, Pa. Owners, School Board of Pottsville, R. A. Reid, Secretary, Pottsville, Pa. Lowest bidders on Bunker Hill School: Butz & Clader, Ainey Building, Allentown, Pa., \$69,652; Gordon Nagle, Pottsville, Pa., \$69,800. Lowest bidders on Yorkville School: W. J. Messersmith, Pottsville, Pa., \$37,520; John J. Houser, Pottsville, Pa., \$39,600.

Bridge Improvements, Media, Pa. Engineer, S. C. Hollister, Court House, Media, Pa. Owners, Delaware County Commissioners, George T. Wadas, County Controller, Court House, Media, Pa. Widening Bridge No. 66 over Naylor's Run, Upper Darby Township, Pa., reinforced concrete, 30-foot span, width (proposed), 40 feet. Widening Bridge No. 144, over Muckinipatus Creek, Glenolden, Pa., 25foot span, widening to 40 feet, concrete slab. Plans and specifications \$2.50 per set for each bridge. Certified check for 5% required. Owners taking bids, due July 21st at 11 A. M. (Standard Time).

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Low bidders:

Cambria Co., R-276, S-6, A-3258, Conemaugh Township, 6,718 feet. One course reinforced concrete and hillside vitrified brick. McClue & Bingner Co., Inc., Johnstown, Pa., \$146,554.20.

Armstrong-Indiana Cos., R-189, Sec. 3, Cowanshannock and South Mahoning Townships, 32,747 feet. One course reinforced concrete. M. Bennett & Sons, Indiana, Pa., \$294,541.36.

Butler Co., R-73, Slippery Rock Borough, 1,513 feet. One course reinforced concrete. Penn-Erie Construction Co., Erie, Pa., \$23,083.90.

Blair-Cambria Cos., R-53, S-1, Juniata, Cresson, Allegheny Townships, Cresson Borough, 15,634 feet. One course reinforced concrete. A. W. Hinaman, Somerset, Pa., \$134,480.25.

Lycoming Co., R-20, Section 7, Old Lycoming and Loyalsock Township, 9,960 feet. One course reinforced concrete. A. W. Hinaman, Somerset, Pa., \$100,631.50.

Erie Co., R-85, A-3420, Conneaut Township, 7,009 feet. One course reinforced concrete. McDermott Construction Co., Niles, O., \$47,878.35.

Chester Co., R-142, S-2, East Caln and West Whiteland Township, 18,206 feet. One course reinforced concrete. The Juniata Company, Empire Building, Philadelphia, \$145,359.04.

Montgomery Co., A-2696, Upper and Lower Pottsgrove, New Hanover Townships, 28,997 feet. One course reinforced concrete. Souder Construction Co., Lancaster, Pa., \$203,231.39.

Lehigh Co., R-158, A-2931, Upper Milford Borough, Lower Macungie Township, 38,199 feet. One course reinforced concrete. Wm. M. Moser, Mt. Carmel, Pa., \$269,606.16.

Huntingdon Co., A-2828, Carbon Township, 8,349 feet. One course reinforced concrete. W. C. Gpncheon & Co., Harrisburg, Pa., \$70,753.30.

Bucks Co., R-281, Falls Township, 2,440 feet. One course reinforced concrete. Haydock, Martin Co., Inc., 20 South Fifteenth street, Philadelphia, \$22,297.70.

Washington Co., R-108, S-1A, Cecil and N. Strabane Township, 1,072 feet. One course reinforced concrete. Johnson & Kearns, DuBois, Pa., \$12,890.80.

Pennsylvania Contracts Awarded

Bank (alts.), Lansdowne, Pa. Architects, Heacock & Hokanson, 1211 Chestnut Street, Philadelphia. Owner, Lansdowne, National Bank, Lansdowne, Pa. Brick, concrete, electric light (heating re-

served) Duraflex and Marbeloid floors, cement floors, plastering, hardware, iron work, painting, glazing, plumbing, alts., cabinet work. Contract awarded Lansdowne Const. Co., Lansdowne, Pa.

Residence, Skippack Pike, Fort Washington, Pa., \$100,000. Architects, Tilden & Register, 1520 Locust street, Philadelphia. Owner, Charles Cheston, Forst Washington, Pa. Stone, 2½ stories, 50x100 feet, variegated slate roof, oak and pine floors, hot water heat, electric light, tile work, ornamental iron work. Contract awarded to J. S. Cornell & Son, 1528 Cherry street, Philadelphia.

High School, Taylor, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Taylor School Board, Wm. Thomas, Secretary, Taylor, Pa. Semi-fireproof, two stories and basement, 150x123 feet, slag roof, maple floors, hollow tile, safety treads, roof ventilators, water and dampproofing, cut stone, iron stairs, steel sash, tile work, metal lath (heating, plumbing and electric separate). Contract awarded to Lackawanna Construction Co., 537 Linden street, Scranton, Pa.

Residences (2 Pair), County Line Road, Bryn Mawr, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, Guy Lowden, Oxford Road, Brookline, Pa. Brick, plaster, 2½ stories, 18x30 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to J. F. Shea, care of owner.

Residence, Phoenixville, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, Thos. H. Millington, 323 Buchanan street, Phoenixville, Pa. Tapestry brick, two stories, 30x30 feet, asbestos shingle roof, oak and tile floors, wood sash, Morgan doors, bond, tile work (heating, plumbing and electric work reserved). Contract awarded to F. P. Huber, Parkerford, Pa.

Residence (alts. and add.), Bryn Mawr, Pa. Architects, Trout & Truscott, 222 South Jessup street, Philadelphia. Owner, C. Paul Ray, Jr., Bryn Mawr, Pa. Frame and stucco, one story, 14x16 feet, tile roof, steel work, carpentry and millwork, steel sash. Contract awarded to W. J. Ryder, 1725 Sansom street, who is taking sub-bids.

Residence (alts.), Merion, Pa. Architect, H. S. Sellers, Stephen Girard Building, Philadelphia. Owner, Edw. Bok, Merion, Pa. Cabinet work, carpentry and millwork, plastering, tile work, electric work, painting and glazing. Contract awarded to H. H. Burrell, 206 South Quince street, Philadelphia.

Residence, Kennett Pike, Hamorton, Pa. Architect, E. Wm. Martin, 2301 Spruce street, Philadelphia. Owner, Pierre F. DuPont, care of architect. Stone, stucco, hollow tile, 1½ stories, 40x65 feet, graduated slate roof, hardwood floors, vapor heat, electric light, tile. Contract awarded to Wm. M. Francis, West Chester, Pa.

Convent, Nesquehoning, Pa. Architect, M. G. Prutzman, Court House, Mauch Chunk, Pa. Owners, Sacred Heart R. C. Church, Nesquehoning, Pa. Brick, 2¾ stories, 36x50 feet. Contract awarded to Frank Krause, Nesquehoning, Pa.

Parochial School, Chester, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, St. Hedwig's Polish R. C. Church, Rev. J. L. Ploszaj, 312 Hays street, Chester, Pa. Brick, concrete, steel, two stories and basement, balcony, 129x69 feet, built-up roof, cement and pine, maple floors, metal lath, tile work, rolled steel sash, fire doors, floor hardener, iron stairs, ornamental iron work, roof vents, waterproofing. Contract awarded Woodland Construction Co., Sixty-fifth and Chester avenue, Philadelphia.

Masonic Hall (alts.), Tamaqua, Pa. Architect, Benj. Rush Stevens, 1827 Arch street, Philadelphia. Owners, Masonic Temple Association, Tamaqua, Pa. Demolition, reinforced

concrete work. Contract awarded Tamaqua Construction Co., Tamaqua, Pa.

Old High School (alts. and add.), Forty Fort, Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owners, Forty Fort School District, J. H. Evans, Forty Fort. General alterations and additions, heating and plumbing. Contract awarded to Nanticoke Construction Co., Nanticoke, Pa. Heating and plumbing to J. L. Turner, Nanticoke, Pa.

Durkee Street School (alts. and add.), Forty Fort, Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owners, Forty Fort School Board, J. H. Evans, Forty Fort, Pa. General alterations, heating and plumbing. Contract awarded to Nanticoke Construction Co., Nanticoke, Pa. Heating awarded to J. T. Evans, 158 South Main St., Wilkes-Barre, Pa. Plumbing awarded to W. Williams, 36 North Main St., Wilkes-Barre, Pa.

Road Work, Pennsylvania. Owners, Department of Highways, Harrisburg, Pa.

Susquehanna Co., R-296, A-1636-3009, Lanesboro and Susquehanna Townships, 9,982 feet. One course reinforced concrete and hillside vitrified brick, \$127,874.75. Contract awarded to W. E. Bennett, Lanesboro, Pa.

Schuylkill Co., R-140, S-4, A-3360, Pine Grove Township, Pine Grove Borough, 35,655 feet. Either bit. surface course on concrete foundation or one course reinforced concrete, \$297,142.10. Contract awarded to Capital Construction Co., Des Moines, Iowa.

Allegheny Co., R-70, Tarentum Borough, 3,938 feet. One course reinforced concrete, \$50,147. Contract awarded to Thos. M. Munro, DuBois, Pa.

Fayette Co., R-288, S-2, A-3056, North Union Township, \$168,591.16. Contract awarded to Donora Construction Co., Donora, Pa.

Residence, Pittston, Pa. Architects, Mack & Sahm, Coal Exchange Building, Wilkes-Barre, Pa. Owner, M. A. Ford, Pittston, Pa. Brick, 2½ stories, 30x40 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Contract awarded to Dommeruth & Co., West Pittston, Pa.

New Jersey Construction News

Road Work, New Jersey. Owners, State Highways Commission, A. Lee Grover, Sec'y, Broad St. Bank Bldg., Trenton, N. J. Union County, Cranford Twp., Route 9, Sec. 15-A, Excavation and reinforced concrete pavement. Owners taking bids due July 20th, at 11 A. M. (Standard Time). Deposit of \$10,000 required. Certified check for 10% required.

Manufacturing Building, Camden, N. J. Architect, Clarence Wunder, 1520 Locust St., Philadelphia. Owner Haines, Jones Cadbury, 1136 Ridge Ave., Philadelphia. Reinforced concrete and brick, 2 stories, slag roof, cement floors, rolled steel sash. Murphy Quigley, 1524 Sansom Street, taking approximate bids due as soon as possible.

Concrete Street Paving, Woodbury, N. J. Engineer, Owner Carter, Woodbury, N. J. Owner, City of Woodbury, D. S. Davis, City Clerk, Woodbury, N. J. Approximately 16,220 square yards reinforced concrete, paving, including excess and other work. Bond or certified check \$6,000. Owner taking bids due July 21st 7 P. M. (S. T.)

Hotel, Boardwalk, Ocean City, N. J. Architect not yet selected. Owner, Atlantic Hotel Co., care of T. W. White, care of Overbrook Golf Club, Overbrook, Pa. Hollow tile stucco, fireproof, 200 rooms, details undecided. Work contemplated.

Bank, Salem, N. J. Architect, Thomas Edw. Ash, 1012 Walnut Street, Philadel-

phia. Owner, Salem National Bank and Trust Company, care of architect. Brick, limestone, 1 and 2 stories, vapor heat, electric light, marble work. Plans in progress.

Bank (alts. and add.), Trenton, N. J. Architect, W. A. Klemann, First National Bank Bldg., Trenton. Owners, Mercer Trust Company, Broad and Market Streets, Trenton, N. J. Stone, 1 story 43x60 feet, slag roof, tile floors, roof ventilators, metal window guards, ornamental iron work, vault, general interior alterations, skylights, steel sash, tile and marble, heating extension, electric light. Architect taking bids due July 22nd.

Residence, Garage and Garden Wall, Radnor Township, Pa. Architect, Willing Sims and Talbutt, 126 South Eighteenth Street, Philadelphia. Owner, Edgar B. Howard, on premises. Brick, cut stone, 2½ and 1½ stories, 144x34 feet, wing 24x19 feet, garage 41x25 feet, variegated slate roof, oak, pine and linoleum floors, metal lath, tile and marble work, bond, ornamental iron work, waterproofing flagstone, limestone. Architects taking bids due July 17th.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Secretary, Broad Street Bank Building, Trenton, N. J.

Monmouth Co., Jerseyville to Freehold, oute 7, Sec 5, reinforced concrete pavement. Owners taking bids due July 27th at 11 A. M. (S. T.) Deposit of \$10.00. Certified check 10%.

Road Work, New Jersey (Pennington-Princeton Road). Owners, Hopewell Township Committee, David M. Voorhees, Clerk, D. D. No. 1, Pennington, N. J. Engineers, incerbeaux and Moore, Trenton, N. J. Lowest bidder on work opened July 6th at 7 P. M. Sigafos and Poor, Riglesville, Pa., \$68,015.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Secretary, Broad Street Bank Building, Trenton, N. J.

Middlesex and Union Counties, Route 4, Section 32, Rahway to Perth Amboy. Bids opened July 6th. Low bidder: C. H. Wilmans, Elizabeth, N. J., \$478,283.

City of Jersey City, Route 1, Extension between New Jersey Junction Railway and Oakland Avenue. Bids opened July 6th. Low bidders: Public Service Production Co., Newark, N. J., \$1,176,601.

Bridges (5), Nos. F31, 32, 33, 34, 37, Elton-Adelphia Road. **Bridge (1),** No. Mn-52, Tennent-East Freehold Road. Freehold, N. J. Owners, Board of Chosen Freeholders. Monmouth Co., Bryant B. Newcomb, Director, Court House, Freehold, N. J. Bids received July 8th at 11 A. M. Lowest bidder: S. S. Thompson & Co., Inc., Red Bank, N. J.

Garage and Stable, Barclay and Jefferson Streets, Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, City of Trenton, Department of Public Works, Trenton, N. J. Lowest bidder: Wm. C. Ehret, 13 West State Street, Trenton, N. J.

New Jersey Contracts Awarded

Residences, Nos. 1 and 3 Atlantic City Terrace, Atlantic City, N. J. Architect, Wm. F. B. Koelle, Otis Building, Philadelphia. Owner, J. Harker Chadwick Co., Land Title Building, Philadelphia. Frame stucco, tile roof, frame and clapboard, 2 stories, 30x28 feet, (No. 3) (1) 1 story 17x44 feet, shingle roof, hardwood floors,

tile work, gas heat, electric light. Contract awarded to Atlantic Const. Co., Atlantic City, N. J.

Residences, Nos. 2 and 4, Atlantic City Terrace, Atlantic City, N. J. Architect, Wm. F. B. Koelle, Otis Building, Philadelphia. Owner, J. Harker Chadwick Co., Land Title Building, Philadelphia. Frame and stucco, 1 story, 45x22 feet, (No. 4) 2 stories, 30x28 feet, shingle roof, electric light, tile work, hardwood floors, gas heat. Contract awarded P. G. Hannum, Atlantic City, N. J.

Residence, No. 5, Atlantic City Terrace, Atlantic City, N. J. Architect, Wm. F. B. Koelle, Otis Building, Philadelphia. Owner, J. Harker Chadwick and Co., Land Title Building, Philadelphia. Frame stucco, 2 stories, 30x28 feet, shingle roof, hardwood floors, tile work, gas heat, electric light. Contract awarded S. A. Lippincott, Atlantic City, N. J.

High School Auditorium and Gymnasium, Audubon, N. J. Architect, Arnold H. Moses, Temple Building, Camden, N. J. Owner, Board of Education of Audubon, Oak street and Oakland Ave., Audubon, N. J. Contract awarded to Geo. H. Evans, 105 N. 13th Street, Philadelphia, \$319,125. Electric to Eastern Electric Const. Co., 1936 College Ave., Phila., \$10,129. Plumbing, Deckman Power and Heating Co., Camden, N. J., \$14,500. Heating, H. Knecht, Camden, N. J., \$37,662.

Schools (2), Pitman, N. J. Architects, Ritter and Shay, Packard Building, Philadelphia. Owner, School District of Pitman, N. J. Contract awarded Geo. W. Shaner & Son, Palmyra, N. J., \$178,578. Plumbing to Matthews Co., 15th and Race Streets, Philadelphia, \$8,700. Heating to American Heat. and Vent. Co., 1505 Race Street, Philadelphia, \$11,178. Electric to C. S. Wright, 18 North Thirtieth Street, Camden, N. J., \$3,875.

Fire House, Haddon Heights, N. J. Architect, Edgar A. Wightman, Bankers' Trust Building, Philadelphia. Owner, Borough of Haddon Heights, Haddon Heights, N. J. Contract awarded to W. H. Conzezer & Son, Haddon Heights, N. J. Heating and Plumbing to Condon & Patton, Haddon Heights, N. J. Electric to C. S. Wright, Camden, N. J.

Residences (3), (alts. and add.) to Store, 773-75-77 Kaighn Avenue, Camden, N. J. Owners, Mrs. Mary Naden, on premises. Brick, 2 stories addition, 21x32 feet, slag roof, (general alterations of 3 dwellings into store, removing partitions, installing girders and columns. Contract awarded to Wm. Wrixford, 724 Washington street, Camden, N. J.

Residences (9), 1220-36 Empire Ave., Camden, N. J., \$4500 each. Architect, Moffett and Ergood, 320 Market Street, Camden, N. J. Owner, H. Hoffman, care of architect. Brick, 2 stories, 18x40 feet, and 18x33 feet, slag roof, hot water heat, electric light. Contract awarded to Harry Vansant, 550 Haddon Ave., Collingswood, N. J.

Garage and Storage Building, 112-114 Federal Street, Camden, N. J., \$3800. Architect, private plans. Owners, Wm. S. Scull Co., Front and Federal Streets, Camden, N. J. Brick, 1 story, 37x80 feet, slag roof, cement floors, electric work. Contract awarded to Harry G. Hinchman, 223 Arch St., Camden, N. J.

Buildings (add.), 512-14-16 Chestnut Street, Camden, N. J. Architect, private plans. Owner, L. M. Nelson, 1105 Broadway, Camden, N. J. Brick, 1 story addition, 38x48 feet, slag roof, electric work. Contract awarded to Benj. DeMedio, 1324 Princess Ave., Camden, N. J.

Indiana Ave School No. 5, Atlantic City,

N. J., (alts.). Architect, H. E. Stout, Guarantee Trust Building, Atlantic City, N. J. Owner, Board of Education, H. H. Young, Atlantic City, N. J. Contract awarded Lam Bldg. Co., 1001 Wood St., Philadelphia.

Road Work, New Jersey. Owners, State Highway Commission, Trenton, N. J. Route 2, Section 8, Birdsboro to Pensauken, Burlington Co. Contract awarded to Union Paing Co., Phila., \$83,028.27. Route 4, Section 31, Tuckerton to New Gretna, Burlington. Contract awarded to Michael Staub, Pitman, N. J., \$303,510.42.

Bridges (2), Route 2, Section 8, Over Pompeston Creek and over Swedes Run, Burlington, N. J. Owners, State Highway Commission, Trenton, N. J. Contract awarded J. M. Everett, Hackettstown, N. J., \$17,183.65.

Miscellaneous Construction News

Residence, Wilmington, Del. Architect, E. William Martin, 2301 Spruce Street, Philadelphia. Owner, Charles B. Holliday, on premises. Stone, cut stone, brick, stucco, 2½ stories, 41x20 feet, wing 34x17 feet, tile and tin roof, oak and pine floors, plumbing, wrought iron pipe, hot water heat, electric light, ornamental iron work, flagstone, cork composition, tile floors, integral waterproofing. Architect taking bids due as soon as possible.

Residence, Winston-Salem, N. C. Architect, Charles Barton Keen, 338 Smedley Street, Philadelphia. Owner, Richard Stockton, Winston-Salem, N. C. Preliminary plans in progress, too early for details.

Bungalow, Roaring Gap, N. C. Architect, Charles Barton Keen, 338 S. Smedley St., Philadelphia. Owner, J. Edw. Johnstown, Roaring Gap, N. C. Preliminary plans in progress. Too early for details.

Road Work, Delaware. Owners, State Highway Department, Dover, Del. Low bidders on bids opened July 1st.

Contract No. 54, Sixth Street, New Castle, 1.06 miles. D. E. O'Connell, & Sons, Ridley Park, Pa., \$42,023.00.

Contract CN-25, Washington St., New Castle, 0.45 miles. D. E. O'Connell, Ridley Park, Pa., \$14,282.50.

Contract CN-26, Valley Road, Penna. Line, 0.97 miles. Wm. W. Truitt, Lincoln City, Del., \$49,259.00.

Contract CN-27, Christiana-Newark, 4.87 miles. D. E. O'Connell & Sons, Ridley Park, Pa., \$171,346.00.

Contract CN-28, Point Breeze School-Faulk Road, 1.49 miles. E. Riley Mixner, Goshen, N. J., \$65,805.00.

Contract CK-28, Willow Grove, Maryland Line, 7.04 miles. Field, Barker and Underwood, Commercial Trust Building, Philadelphia.

Metal Joint, \$232,064.50; non-Metal Joint, \$229,460.50.

Miscellaneous Contracts Awarded

Manufacturing Building, Wilmington, Del. Architect, private plans. Owner, Pyrites Co., Ltd., Wilmington, Del. Reinforced concrete, hollow tile and brick, 1 story, 100x225 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash. Contract awarded Turner Const. Co., 1713 Sansom Street, Philadelphia.

Sibley Maternity Hospital, Washington,

D. C. Architect, The Ballinger Co., Washington, D. C. Owners, Sibley Hosp., Washington, D. C. Reinforced concrete, brick facing stone, 4 stories and basement. Contract awarded to C. E. Thompson, Washington, D. C.

"HOW TO OWN YOUR HOME"

(Continued from June 24)

General property considerations are given careful attention in the booklet, the basis for the choice of a site for the home being regarded as of major importance. The list of considerations which must be kept in mind lists the many factors as follows:

A. General location.

1. Low or high land values.
2. Transportation facilities: (a) To place of work and (b) to shopping centers.

3. Protection offered to homes: (a) Private restrictions, (b) zoning ordinances and city planning, and (c) fire and police protection.

B. Specific location of the lot.

1. Character of neighborhood.
2. Location with reference to schools and playgrounds for the children.
3. Desirable points for the lot: (a) shade trees, shrubs, and planting; (b) set of house with reference to sunlight and prevailing winds, and (c) character of the soil and necessity for grading, filling, or draining.

C. Other safeguards in buying property.

1. Danger of buying lot too long before building.
2. Extent of street and public utility improvements (paving, sidewalks, water supply, sewerage, electricity, gas).
3. Possible assessments.
4. Proportion of lot value to total outlay.
5. Checking property values: (a) Land and (b) house.
6. Plan of house and quality of construction.
7. Steps taken in buying.
8. Examination of title.

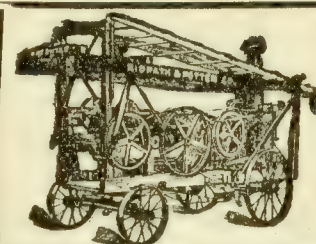
Under "Points to be Examined," the booklet lists and discusses condition of plaster, woodwork, plumbing fixtures, heating plant, painting, roofing, and general items as follows:

"Is the house properly wired for electricity? What proof is there that the insulation of wiring in the walls was inspected? Is there good pressure on the gas jets? Do they leak?"

"Is adequate fire protection afforded in the construction of chimneys and around them? A chimney through which smoke can leak into the house is dangerous.

"Is there sheathing and building paper on the house? This should be known, especially in cold climates. Are windows and doors weather-stripped? Is the

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mortar between brick and stone work sound?

"Previous owners should be asked whether the house was comfortable, whether it is easily heated, and whether or not the drainage lines had to be cleaned out frequently.

"The buyer should satisfy himself as to the condition of stoves, lighting fixtures, and screens.

"One should find out when the house was built, and by whom.

"Does the cellar get damp and have moist walls, due to poor masonry work, lack of rain leaders, rising ground water, leaking pipes, or imperfect drainage around the foundation wall?"

Maintenance costs and the expenses of home ownership are dealt with extensively, consideration being given to repairs and renewals, property taxes and assessments which may be levied, insurance, water taxes or rent, accessories, such as screens, storm windows, weather stripping, awnings, and the like, and improvements which may be desired or become actually necessary.

This illustrated booklet is now being distributed from national headquarters of Better Homes in America, 1653 Pennsylvania Avenue, Washington, D. C. Copies of it are available to prospective home owners at a nominal price — 15 cents. The booklet may be obtained by direct application to Better Homes in America.

THE INTERIOR PLASTERING

When we realize that eighty per cent. of the average house interior that is visible is plastered surface, the importance of having good plaster is evident.

Just why there has been so little written about this important subject is hard to say when we consider how much has been said about the desirability of more permanent construction. Many of the features that are receiving so much attention depreciate more slowly and are easier to replace than the plaster.

Cracked, streaked, or fallen plaster ruins the appearance of a home that might be otherwise good, putting it in an objectionable class.

Historians tell us that in ancient days plasterers ranked with the artists and sculptors. Certain it is that those workmen produced surfaces that remained permanently beautiful through countless years.

Now that modern methods have simplified the work and there are such excellent materials, plastering should be more beautiful and permanent than ever before.

The subject is not a simple one. It takes skill and knowledge to produce a permanent, crack-proof, and fire-resistive plastered surface. After the plastering is

done, there are certain things that it must resist: moisture, temperature, changes and stresses of one sort or another. Heavy objects dropped on the floor, the constant passing of heavy trucks, running and jumping indoors doors and windows slamming: all of these produce vibrations that are transmitted to the ceilings below and to the walls.

Changes in temperature prove a great test of the endurance of plaster. The average house is considerably warmer in the daytime than in the night. The plastering responds to this change by tending to expand in the warmth and contract as it grows cooler.

The effect of moisture on plastering is most evident in the rooms where there is the greatest amount of moisture, the kitchen and bathroom. All plaster is more or less absorptive, consequently the moisture is conducted through the plaster into the base. Obviously, if the base is of an absorptive nature, it will change, swelling, and shrinking alternately. Because of the low tensile strength of plaster, its endurance is taxed during this process.

Lath and plaster are so inter-related that one cannot be properly considered without the other. Plaster alone has little strength and has to be used over a base which provides the necessary support and strength to preserve its surface unbroken and to hold it in place under the action of normal settling of the supports, severe jars, and temperature changes.

The plaster base needs to be durable economical to use, free from shrinking and swelling, easily handled, and it must take the plaster easily and be economical in its use.

There are many kinds of interior plaster in use today, cement, lime, gypsum, magnesite, and combinations of these materials and special brands.

Most plasters are mixed with sand. If clean sand is not available, plaster can be secured that contains the right amount of sand already mixed in. A form of gypsum plaster comes mixed with wood fiber instead of sand. Lime usually has hair mixed in as a binder. Portland cement plaster is applied much easier if a small amount of hydrated lime is added. The directions furnished by the manufacturers are important and should be carefully followed.

The use of metal lath insures crack-proof, fire-resisting and permanently beautiful walls and ceilings.

Expanded metal lath is made by slitting metal sheets, expanding the small portions where slit and stretching the sheet so as to produce a series of small openings. Other forms are made by stamping sheets of metal but not expanding. Either kind is sometimes furnished

with heavy ribs to give rigidity. Metal lath is usually galvanized or painted.

One form of metal lath consists of steel wire similar to screening, but with much larger meshes and heavier wire.

Metal lath should be applied with the long dimension across the studs or joists except when ribbed; then the ribs are placed against the supports. If wood lath is used, the placing of metal lath strips in vertical corners between walls and ceiling will prevent cracks at these weak points. Metal lath placed under stairways, back of ranges, around fireplaces, and at all points close to flues or heating plants is an added protection.

Special plaster base consists of selected wood strips beveled to form a key for the plaster and fastened to fiber board which has been coated with asphalt mastic. This comes in rolls 32 or 36 inches wide and can be applied quickly to the studs. Special insulating plaster base can also be obtained which is excellent for use on exposed walls and ceilings.

If wood lath is used, it should be of a non-staining quality and should be spaced so as to give a good key for the plaster. Latticing to ceilings and partitions are spaced $\frac{1}{4}$ " or $\frac{3}{8}$ " apart to ensure a perfect key.

Because the base on which the plaster is applied is never seen in the finished house, it is often neglected, yet this base determines the homes measure of beauty and the degree of permanence and safety.

This base may be metal lath, special plaster base, or ordinary wood lath.

The usual way to do a plastering job is to put on the "scratch" coat, this first coat and allow it to remain for a day or two before following with the "brown" coat. Some plasterers scratch one day and apply the brown coat the next, getting the second coat on before the first is too hard to make it tiresome putting the second on.

The finishing coat can be lime that has been sieved or prepared hydrated lime that comes in bags ready for use. The usual method is to have a large box filled with water into which the hydrated lime is shaken until the mixture becomes quite thick. This is allowed to stand for about twenty-four hours when it is ready for use. A little plaster of paris is mixed with this as the work proceeds.

The finishing coat can be put on two or three days after the brown coat has been laid on or it can be delayed until it is thoroughly dry although the drier the brown coat the better the finish.

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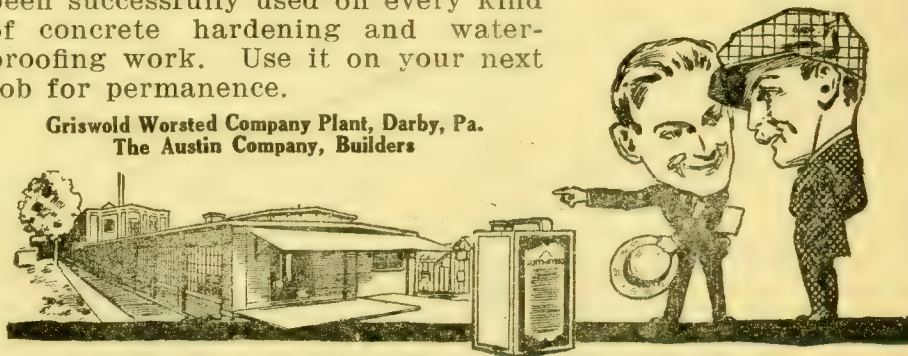
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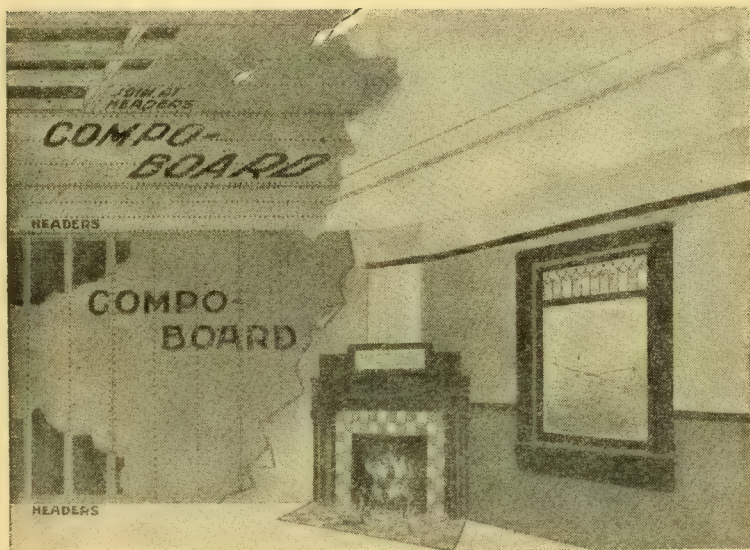
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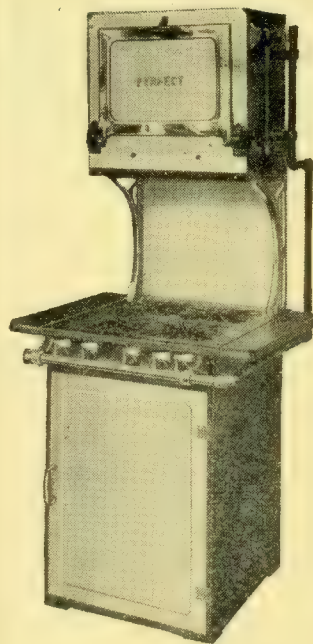
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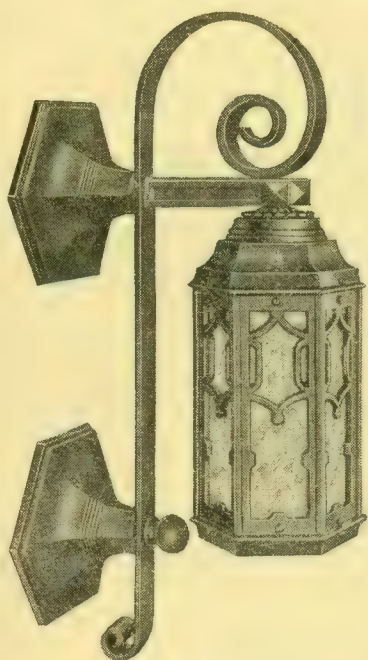
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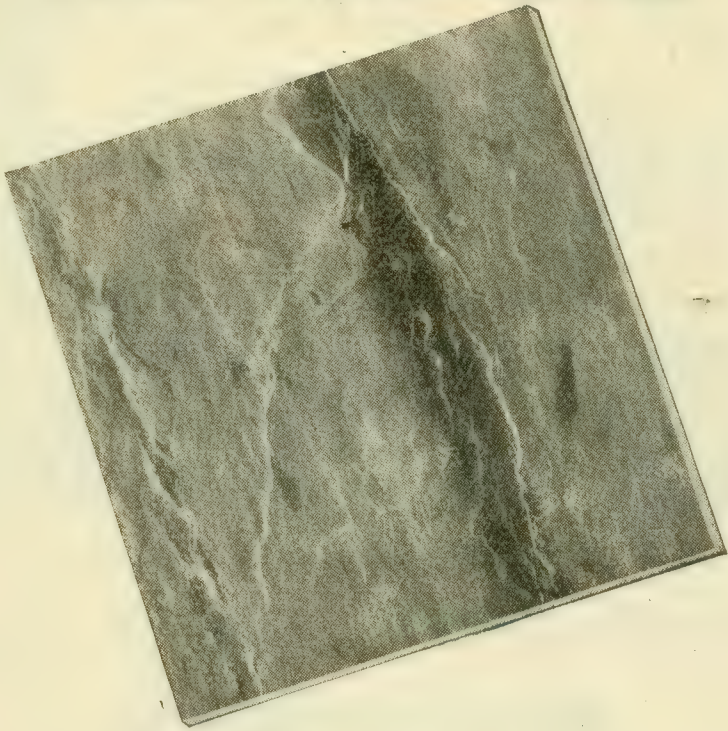
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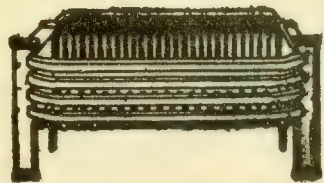
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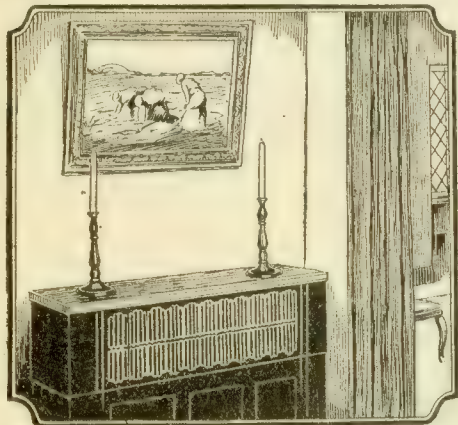
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VOLUME XL
Number 29

PHILADELPHIA
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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS;

CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Stores (alts.), 4619 Sansom street, Philadelphia. Architect, Martin K. Fleishman, 1211 Walnut street, Philadelphia. Owner, Raymond Shuster, 5115 Chestnut street, Philadelphia. Changing apartment to stores, millwork, rolled steel sash, metal bulks, plate glass. Architect taking bids, due August 3rd.

Miscellaneous Work, Philadelphia. Owner, City of Philadelphia, Department of Public Works, 216 City Hall. Schedule A, Main Sewers, Wingohocking Sewer, Colgate street Sewer. Schedule B, South Philadelphia Improvement, Stormwater ditches and incidental drainage in the area west of Broad street and south of Packer avenue. Certified check 5% of amount of bid. Inquire Room 416. Bids due July 28th.

Miscellaneous Work, Philadelphia. Owner, City of Philadelphia, Department of Public Works, 216 City Hall. Owner taking bids, due July 27th 11 A. M. (S. T.) Stormwater sewers incidental and necessary to the grad-in of Packer avenue, Twentieth street, Pattison avenue, Tenth street and Seventh street. Certified check 5% of amount of bids. Inquire Room 272.

Swimming Pool and Bath House, Twenty-sixth and South streets, Philadelphia. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, City of Philadelphia, Department of Public Welfare, 595 City Hall. Reinforced concrete, brick, limestone, steel, one story swimming pool, 94x36 feet, Bath House, 120x28 feet, asbestos asphalt shingle roof, cement floors (plumbing, electric separate), copper skylights, steel doors, bond, ornamental iron work, anti-hydro waterproofing, bluestone. Certified check 5% of bid, Owners taking bids due July 29th noon.

Church and Manse, Fifty-fourth and Gainor Road, Wynefield, Pa. Architect, Henry Rein-

hold, 1513 Walnut street, Philadelphia. Owners, United Presbyterian Church, Wynefield, Pa. Stone, brick, cut stone, 1½ and 2½ stories, 117x57 feet. Manse 53x18 feet, steam heat, electric light, metal lath, built up slate roof, composition, tile, pine and oak floors, painting and glazing, metal weatherstrip, metal lath, bond, ornamental iron work, artificial stone, plumbing, wrought iron pipe. Architect taking bids, due July 28th.

Hosiery Mill (add.), Fifth and Luzerne streets, Philadelphia. Architect, private plans. Owner, Apex Hosiery, on premises. Reinforced concrete brick, sand stone 6 stories, 54x95 feet, built up roof, cement floors, steam heat, rolled steel sash, kalamein doors, ornamental iron work, metal toilet partitions, elevator doors, sprinkler system. Owner taking revised bids due as soon as possible.

Office Building, Southwest Corner Twelfth and Market streets, Philadelphia. Architects, Mellor, Meigs & Howe, 205 South Juniper street, Philadelphia. Owners, Philadelphia Saving Fund Society, Seventh and Walnut streets, Philadelphia. Architect selected. Details undecided.

Residence and Garage, Chestnut Hill, Pa. Architect, Addison H. Savery, 1309 Locust street, Philadelphia. Owner, Philip J. Bauer, 2801 Hunting Park avenue, Philadelphia. Stone, 2½ stories, 30x60 feet, shingle roof, hardwood and cement floors, electric light, tile and marble work. Plans in progress.

Church, Lincoln Drive above Upsal street, Philadelphia. Architect, Edmund B. Gilchrist, 1618 Latimer street, Philadelphia. Owners, Unitarian Congregation of Germantown, Rev. R. S. Forbes, 7144 Crefelt St. Preliminary plans in progress.

Club House, Fifth and Lindley, Philadelphia, \$150,000. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Own-

ers, Incarnation Roman Catholic Church, Rev. M. J. Brady, on premises. Stone, 3 stories. Sketches in progress. Architect will take bids in three weeks.

Banking House, 1606 Walnut street, Philadelphia. Architect, not selected. Owners, Townsend Wheelen Co., 505 Chestnut street, Philadelphia. Lot 24x145 feet. Details undecided. Contemplated.

Studio and Apartment Building (alts. and add.), 345 South Hicks street, Philadelphia. Architect, Thomas E. Ash, 1012 Walnut street, Philadelphia. Owner, C. L. Beck, care of architect. Brick, 3 stories. Details undecided. Sketches in progress.

Factory, Tioga and Cedar streets, Philadelphia. Architect, not yet selected. Owners, Philadelphia Wool Scouring & Carbonizing Co., Trenton and Somerset Sts. Details undecided. Work contemplated.

Residence, Emlen street, North of Allen's lane, Germantown. Architect, Robert Rodes McGoodwin, 1600 Walnut street, Philadelphia. Owner, Henry D. Boenning, 1615 Walnut street, Philadelphia. Details undecided. Preliminary plans in progress.

Y. W. C. A. Building, Broad and Pattison avenue, Philadelphia. Architect, not yet selected. Owners, Y. W. C. A., Miss Mary Hopper, secretary, 20 South Fifteenth street, Philadelphia. Work contemplated.

Church and Sunday School, Southwest Corner Twenty-first and Tasker streets, Philadelphia. Architect, George E. Savage, Witherpoon Building, Philadelphia. Owners, Zion A. M. E. Church, Rev. L. W. Stanford, 2134 Tasker street, Philadelphia. Stone, 1 story and basement. Plans in progress. Details undecided.

Bridge, Schuylkill River, Manayunk, Philadelphia, \$500,000. Architect, private plans. Owners, Commissioners of Montgomery

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County and Department of Public Works, S. H. Noyes, Bridge Division, City Hall, Philadelphia. Concrete, 550x36 feet. Preliminary plans in progress.

Bank, Northeast Corner Broad and Ruscomb, Philadelphia. Architects, Mellor, Meigs & Howe, 205 South Juniper street, Philadelphia. Owners, Philadelphia Saving Fund Society, Seventh and Walnut streets, Philadelphia. Limestone, steel, 1 story and basement, 55x67 feet, copper roof, maple floors, hot water heat, electric light, tile work. Plans in progress.

Store Building (alts. and add.), Southwest Corner Twelfth and Tasker streets, Philadelphia. Architect, Joseph F. Lowery, Land Title Building, Philadelphia. Owner, John Ragone, care of architects. Brick, 1 story, general remodeling. Plans in progress.

Residence (alts. and add.), 6420 Drexel road, Philadelphia. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner, P. H. Gadsden, 6420 Drexel road, Philadelphia. Stone, 1 story add. to living room and stone porch, shingle roof, hardwood floors, steam heat, electric light. Architects ready for bids.

Residences (25), Sixty-ninth and Chester avenue, Philadelphia. Architect, private plans. Owner, W. B. Siddall, 1420 Chestnut street, Philadelphia. Brick, 2 stories, 20x70 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Owner taking sub-bids.

Residences (80), Frankford and Princeton avenues, St. Vincent's and Charles streets, Philadelphia. Architect, private plans. Owner, Harry Neiman, 59 State road, Upper Darby, Pa. Brick, 2 stories, 16x42 feet, hot water heat, electric light, slag roof, pine floors. Plans in progress. Owner will take sub-bids.

Apartment House (alts. and add.), Northwest Corner Pulaski and Queen Lane, Philadelphia. Architect, Jacob Naschold, 5234 North Second street, Philadelphia. Owners, Glenn & Walker, 301 West Queen Lane, Germantown. Brick, stone, 3 stories, 24x20 feet, 6x20 feet, hot water heat, electric, tile work, slag roof, hardwood floors. Plans completed. Architect will take bids in a few days.

Store and Loft Building (alts. and add.), 600-602 North Second street, Philadelphia. Architect, E. A. Stopper, 10 South Eighteenth street, Philadelphia. Owners, L. Jaffe & Sons, on premises. Brick, steel, 3 stories, 56x56 feet, slag roof, pine floors, electric light, hollow metal sash, elevators, metal bulks, ornamental iron work. Owners ready to sub-let.

Sunday School Building, Levick and Palmetto avenue, Philadelphia, \$50,000. Architects, Bureau of Architecture, Methodist Mis-

sions, 1701 Arch street, Philadelphia. Owners, Lawndale Methodist Episcopal Church, Rev. A. S. Morris, 804 Hellerman street, Philadelphia. Stone, 1 story, 70x80 feet, slate roof, pine floors, steam heat, electric light. Plans in progress. Owners will take bids in two weeks.

Store (alts.), Southeast Corner Germantown avenue and Sunset street, Philadelphia. Architect, William H. Wooters, 816 West Allegheny avenue, Philadelphia. Owner, A. C. Adams, on premises. Brick work, plastering, painting and glazing, slag roof, carpentry and mill work, stair work, structural steel, hardware, tile work. Architect taking bids due July 29th.

Garage, Northeast Corner Snyder avenue and Percy street, Philadelphia. Architect, Herman H. Kline, Bulletin Building, Philadelphia. Owner, William Cherry, Lincoln Building, Philadelphia. Brick, steel, 2 stories, 58x160 feet, steam heat, electric light, slag roof, cement floors, hollow metal sash and skylights, rolled steel doors, concrete ramps. Owner ready for bids.

Exhibit Building, League Island Park, Philadelphia. Owners, Sesqui-Centennial Exposition Association, Fifth and Chestnut streets, Philadelphia. Owners taking bids due July 31st, 10 A. M. (Standard Time). For further information apply at Headquarters.

Synagogue, Fifty-eighth and Warrington streets, Philadelphia. Architect, J. S. Fuller, 5438 Locust street, Philadelphia. Owners, Congregation Beth-Am, care of architect. Brick, stone, 1 story and basement, 62x88 feet, built-up roof, maple floors, steam heat, electric light, tile and marble work. Plans about completed. Architect will take bids in a few days.

Reconstruction of Welfare Building, Philadelphia Navy Yard, Philadelphia. Architects, Public Work Office, Navy Yard, Philadelphia. Owners, United States Government, G. S. Burrell, Capt. C. H. Dickens, Navy Yard, Philadelphia. Reinforced brick, steel, 2 stories, 197x107 feet, asbestos shingle, built-up roof, cement and pine floors, hollow tile, plumbing, roof ventilators, steam heat, electric light, metal lath, tile work, rolled steel sash, hollow metal doors, bond, ornamental iron work, roof ventilators, waterproofing, concrete piles, artificial stone, insulation. Deposit, \$20.00. Owners taking bid due August 5th, 11 A. M. (Daylight Saving Time).

Store and Apartment, 5 and 7 Sixtieth street, Philadelphia. Architect, Edwin L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, A. Brooks, on premises. Brick, cut stone, steel, 2 stories and basement, 40x90 feet, slag roof, oak floors, steam heat, electric light, tile and marble work, metal

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lath, plumbing, metal ceilings, waterproofing, bond, ornamental iron work, wrought iron pipe. Architect taking revised bids due July 23rd.

Store (alts. and add.), Garages (6), Thirteenth and Montgomery avenue, Philadelphia. Architect, Edwin L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, Dr. Louis Green, on premises. Brick, 16x50 feet (heating and metal ceiling reserved), slag roof, cement floors, hardwood floors, marble work, metal bulks. Architect taking bids due July 25th.

Hoist House, Coal Yard Facilities and Office, Twenty-ninth and Brown streets, Philadelphia. Architect, Samuel T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Steel, corrugated metal, brick, 1 story, 1 story 26x14 feet, wing 29x9 feet, hoist house, 10x8 feet, built-up asbestos roof, cement and pine floors, plumbing, concrete, painting and glazing, electric light, ornamental iron work, mechanical conveyor, 152 feet long. Owners taking bids due July 26th.

Store Building (alts.), 3633 Germantown avenue, Philadelphia. Architect, William H. Lee, Schaff Building, Philadelphia. Owner, Theo. Marquetand, on premises. Brick work, bronze work, carpentry and mill work, electric work, metal bulks, painting and glazing, hardware, marble work, plastering, sheet metal work, structural steel work, terrazzo work, miscellaneous iron work. Architect taking bids due August 1st.

Apartment House, 3116-18 North Gratz street, Philadelphia. Architects, Penwood Co., 131 North Fifteenth street, Philadelphia. Owner, Max Tarnapol, 1614 Diamond street, Philadelphia. Brick, steel, 3 stories and basement, 40x75 feet, slag roof, oak and pine floors, vapor heat, electric light, tile work. Owner taking bids due as soon as possible.

Apartment House, 3711 Chestnut street, Philadelphia. Architect, Clyde S. Adams, 2038 Spruce street, Philadelphia. Owner, C. Howard, care of architect. Brick, steel, limestone, cut stone, reinforced concrete, 4 stories and basement, 37x28 feet, slag roof, cement and oak floors, plumbing, ornamental iron work, hollow metal doors, galvanized iron skylights, tile and marble work, metal lath, electric light, steam heat, composition floors, dumb waiter, wrought iron pipe. Architect taking bids due as soon as possible.

Delta Sigma Phi Frat House, 202-04 South Thirty-sixth street, Philadelphia. Architect, Arthur E. Davis, 643 Broad street, Newark, N. J. Owners, Iota Chapter House Association, 202-04 South Thirty-sixth street, Philadelphia. Brick, cut stone, steel, stucco, 3 stories and basement, 83x41 feet, composition and slate roof, cement floors, hollow tile, steam heat, electric light, metal lath, tile and marble work, steel casements, kalamein doors,

salt glazed terra cotta, limestone. Associate architects, E. Chauncey Bulkeley and Aland Krams, Newark, N. J. Architects taking bids due July 24th.

Church (superstructure), Tioga and F streets, Philadelphia. Architect, George Savage, Witherspoon Building, Philadelphia. Owners, St. Philip's Methodist Episcopal Church, Tioga and F streets, Philadelphia. Stone, steel, 1½ stories, 65x34 feet (heating, leaded glass reserved), composition, variegated slate roof, pine floors, electric light, metal lath, ornamental iron work, brick work, stone, carpentry and mill work, cement, plastering, painting, iron work, reinforced concrete, plumbing, wrought iron pipe, bond. Architect taking bids due July 27th.

Residence, Oak Lane, Philadelphia. Architect, Horace G. Schoppe, Verre road, Fox Chase, Philadelphia. Owner, John Lotz, 6316 North Thirteenth street, Philadelphia. Stone, stucco, 2½ stories, 27x37 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Owner taking bids due as soon as possible.

Alterations and Additions, 4518 Frankford avenue, Philadelphia. Architect, Clyde S. Adams, 2038 Spruce street, Philadelphia. Owners, P. H. Wood & Co., on premises. Brick, 2 stories, 25x16 feet, hot water heat, electric light, slag roof, pine floors. Architect taking bids due as soon as possible.

Welfare Building, Specification WB, Navy Yard, Philadelphia. Owners, Public Work Office, Navy Yard, Capt. C. H. Dickens, Philadelphia. Removal of existing buildings, concrete piles and caps, plain and reinforced concrete, artificial stone, brick and hollow tile, steel and iron work, asbestos shingle and built-up roofing, sheet metal, wood frames, sash, doors and trim, plastering, metal lath, plaster board, stucco, metal covered doors, sash and frames, slate and tile work, refrigerator doors and insulation, hardware (plumbing, heating, electric separate). Plans and specifications BW may be obtained from Public Works Office, Yard Yard, Philadelphia. Deposit, \$20. Owners taking bids due August 5th, 11 A. M. (Standard Time).

Residence (alts. and add.), 2841 West Girard avenue, Philadelphia. \$3,500. Architect, George W. Steidle, Brookline, Delaware County, Pa. Owner, William Barth, on premises. Brick, interior changes. Architect taking bids.

Fourth Section, Broad Street Subway, Philadelphia. (Also Terminal Yards.) Owners, Department of City Transit, H. E. Ehlers, 1211 Chestnut street, Philadelphia. Contract No. 107-A, 6,303 lineal feet of 4-track subway in Broad street, north of Courtland street, to North of Chew street, including 3 stations. (The execution of 107-A will be subject to future appropriation by City Council.) Contract No. 107-B, 1,749 lineal feet 4-track subway

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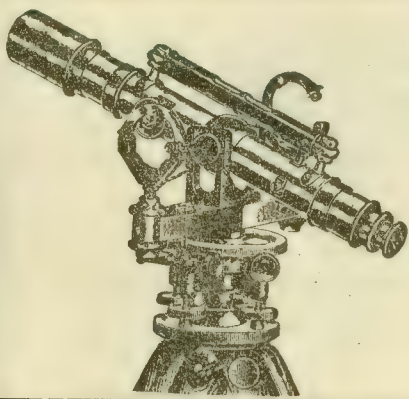
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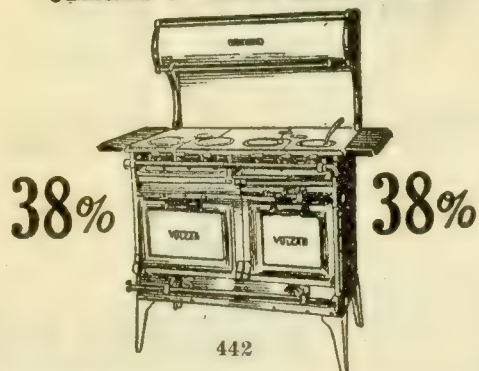
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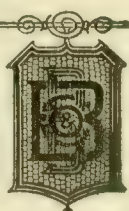
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Stores and Apartments (new front), 1713 Snyder avenue, Philadelphia. Architect, Frank W. Hall, 3321 North Smedley street, Philadelphia. Owner, Samuel Brason, 1713 Snyder avenue, Philadelphia. Brick work, 3 stories, limestone, plate glass, cement floors, carpentry and mill work, plastering, painting and glazing. Architect taking bids due as soon as possible.

Swimming Pool, Twenty-sixth and South streets, Philadelphia. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Department of Public Works, Bureau of Recreation, 595 City Hall. Owners taking bids due July 29th at 11 A. M. (Standard Time).

Seventh Street Bridge, over Greenwich Branch, Pennsylvania Railroad and Baltimore & Ohio Railroad. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Owners taking bids due July 23rd, 11 A. M. (Standard Time). Seventh Street timber bridge. Certified check 5 per cent. of amount of bid required. Inquire Room 416.

Residences (26), Forty-eighth and Larchwood and Forty-eighth and Osage avenues, \$205,000. Architect, private plans. Owners, Herman Bobb & Pepper, 4915 Sansom street, Philadelphia. Brick, 2 stories, 16x52 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residences (14), South side Tyson street, East of Gilmore street, \$64,000. Architect, private plans. Owner, George Gillespie, 6824 Torresdale avenue, Philadelphia. Brick, 2 stories, 16x43 feet, slag roof, hardwood and pine floors, electric light. Owner will build.

Building (add.), 835 South Second street, Philadelphia, \$4,000. Architect, private plans. Owner, Max Young, 839 South Second street, Philadelphia. Brick, 3 stories, 10x26 feet, slag roof, pine floors. Owner will build.

Store and Residence (alts.), 233 South Fifty-third street, Philadelphia, \$4,000. Architect, private plans. Owner, A. S. Shafer, 4651 Walnut street, Philadelphia. General alterations. Owner will build.

Building (add.), Southwest Corner Almond and Luzerne streets, \$3,500. Architect, private plans. Owners, Charles R. Shoemaker

Co., on premises. Steel, 1 story, 25x100 feet. Owners will build.

Swimming Pool, Southwest Corner Forty-ninth and Wyalusing avenue, Philadelphia, \$10,000. Owners, St. John's Orphanage, care of D. Cardinal Dougherty, Eighteenth and Race streets, Philadelphia. Reinforced concrete. Permit issued.

Residences (22), Fifth, Luray and Fairhill streets, Philadelphia, \$91,000. Architect, private plans. Owners, F. W. Biddle & Co., 4651 North Fifth street, Philadelphia. Brick, 2 stories, (2) 15x40 feet, (20) 14x29 feet, 11x10 feet, hot water heat, electric light. Owners will build.

Residences (10), South side Devereaux street, West of Shelbourne street, \$49,200. Architect, private plans. Owners, Brumbayer & Bruggi, 5452 North Fifth street, Philadelphia. Brick, 2 stories, (1) 16x41 feet, (9) 16x35 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residence, 6201 Shelbourne street, Philadelphia, \$5,000. Architect, private plans. Owner, John H. Bauer, 4938 North Fairhill street, Philadelphia. Brick, 2 stories, 16x37 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Garage, South side Chestnut avenue, West of Seminole avenue, \$2,500. Architect, private plans. Owner, Richard L. Austin, on premises. Concrete block, 2 stories, 20x40 feet, cement floors, electric light. Owner will build.

Residences (5), Lebanon avenue and Edgemoore road, Philadelphia, \$42,000. Owner, Mrs. Mollie Zusin, 4917 Sansom street, Philadelphia. Brick, 2 stories, 16x50 feet and irregular shape, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Apartments (2), East side Forty-seventh, North of Kingsessing avenue, \$14,000 each. Owner, Louis Elgart, 5312 Berks street, Philadelphia. Brick, 3 stories, 21x50 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (21), 1601-41 South Dover street, Philadelphia, \$3,500 each. Owner, Burtin C. Simon, Twentieth and Passyunk avenue, Philadelphia. Brick, 2 stories, 14x40 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Garage, West side Palmetto street, South of Levick street, Philadelphia, \$7,200. Architect, private plans. Owners, Anastasi Brothers, 400 West Allen's Lane, Philadelphia. Brick, 1 story, 33x19 feet and 18x175 feet, slag roof, cement floors, electric light. Owners will build.

Garage, East side Sixth street, North of Tabor road, Philadelphia, \$45,000. Architect, private plans. Owner, M. Yaskin, 5934 Baltimore avenue, Philadelphia. Brick, 2 stories, irregular shape, slag roof, cement floors, electric light. Owner will build.

Residences (2), West side Northumberland, North of St. Vincent, \$5,800 each. Owner, A. W. McKinley, Southwest Corner St. Vincent and Tabor road, Philadelphia. Frame, 2 stories, 16x38 feet, shingle roof, hot water heat, electric light, hardwood and pine floors. Owner will build.

Garage, South side Howell street, West of Germantown avenue, \$30,000. Architect, W. K. Henkels, 9501 Germantown avenue, Philadelphia. Owners, Chaitt Co., on premises. Brick, 1 story, 123x93 feet, slag roof, cement floors, steam heat, electric work, metal lath. Owners will build.

Store and Residence, 2827 West Girard avenue, Philadelphia, \$3,000. Architect, private plans. Owner, P. Rosenthal, on premises. Brick, 3 stories add., 18x8 feet, slag roof, pine floors, electric lighting. Owner will build.

Power Plant, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Pub-

lic Safety, City Hall. Low bidder, F. Nelson & Son, 1822 Cherry street, Philadelphia, \$4,398.

Administration Building, Plaza, Moyamensing avenue, South Broad street, Philadelphia. City architect, J. Molitor, 1315 Walnut street, Philadelphia. Owners, Sesqui-Centennial International Exposition, Fifth and Chestnut streets. Low bidders, David Lutz & Co., Twenty-third and Chestnut streets, Philadelphia, \$58,700; alts., \$56,700, \$55,700. Curtis Grindrod Co., 10 South Eighteenth street, Philadelphia, \$73,490. Electric, J. K. A. McClary, Bourse Building, Philadelphia, \$1,832. Heating, Automatic Radiation Co., 249 South Twelfth street, \$4,145. Plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$3,266.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Engineering, City Hall. Low bidders:

Schedule A—Fred T. Buckius, Kensington and Deal street, Philadelphia, \$40,020.

Branch Sewers—Duncannon to 282 South street, A. Mattio, care of owners, \$2,383.80. Broad, Poplar to Thompson, J. J. McHugh, 1617 Race street, Philadelphia, \$46,482.50. Disston, Algard to Gillespie, A. Frunzi, 513

High street, Philadelphia, \$4,481. Elmwood avenue, Island road to Seventy-fifth street, Higgins & Reilly, Real Estate Trust Building, \$30,384.28. Howell street, Hegerman to Keystone street, A. Frunzi, 513 High street, Philadelphia, \$5,853.40. Jenks street, Richmond to Bath, F. De Pasquale, care of owner, \$6,362.20. Seventy-fifth, Buist and Wheeler, Joseph Lombardi, Lincoln Building, Philadelphia, \$37,410.15. Torresdale, Longshore to Unruh street, A. Perna & Son, 752 South Tenth street, Philadelphia, \$22,189.45. Tulip street, Van Kirk street to Comly street, A. Frunzi, 513 High street, Philadelphia, \$8,100.25. Vandike, St. Vincent's to Cottman, A. Mattio, care of owners, \$4,768.80. Bankirk, Walker to Erdick street, J. Moss, 631 East Mt. Airy avenue, Philadelphia, \$4,485.03.

Schedule B, Main Sewers—Ashdale street, C to Tacony Creek, J. J. McHugh, 1617 Race street, Philadelphia, \$104,724.68. Erie avenue, Delaware River to Richmond, E. Pasuzzi, Lincoln Building, Philadelphia, \$290,633.75. Harrison street, F. T. Buckius, Kensington avenue and Deal street, \$45,000.

Schedule C—Collecting Sewer in Eightieth street, Vane Const. Co., 1120 Race street, Philadelphia, \$167,025.83.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Bank, Fifty-second and Ludlow streets, Philadelphia. Architects, Mellor, Meigs & Howe, 205 South Juniper street, Philadelphia. Owners, Philadelphia Saving Fund Society, Seventh and Walnut streets, Philadelphia. Limestone, steel, 1 story and basement, 46x67 feet, copper roof, marble floors, hot water heat, electric light, tile work. Contract awarded to Geo. A. Fuller, Morris Building, Philadelphia.

Bank Building, 1104 West Lehigh avenue, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Excelsior Trust Co., W. J. Nash, First Vice-President, on premises. Brick, cut stone, steel, 2 stories and basement, 96x50 feet, slag roof, cement and oak floors, hollow tile, elevators, painting and glazing, plumbing, steam heat (allowance for electric), metal lath, tile and marble work, kalamein sash, copper skylights, bond, ornamental iron work, bronze work, naturalized flooring, granite, limestone, rolled steel sash, rubber floor, imitation stone, wrought iron pipe, electric passenger elevator. Contract awarded D. Lutz Co., Twenty-third and Chestnut streets, Philadelphia.

Factory, Twenty-seventh and Bainbridge streets, Philadelphia. Architect, private plans. Owners, Galbraith & Co., 619 Commerce street, Philadelphia. Brick, steel, 1 story, 213x50 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash. Contract awarded to Schaeffer & Co., Otis Building, Philadelphia, who are taking sub-bids due as soon as possible.

Alterations, 1221-23 Chestnut street, Philadelphia, \$19,000. Architect, private plans. Owner, Cathay Tea Garden, Mr. Hom, on premises. Brick work, iron work, shoring, plastering, metal lath, maple floors, painting, electric work, steam heat, alterations. Contract awarded Smith-Hardican Co., 1809 Callowhill street, Philadelphia.

Building, 1522-24 Fairmount avenue, Philadelphia. Architect, private plans. Owners, Alemite Lubricating Co., 1523 Fairmount avenue, Philadelphia. Brick, cut stone, steel, 2 stories and basement, 109x36 feet, slag roof, rubber, tile and cement floors, hollow tile, plumbing, wrought iron pipe, metal store front, cold water paint, ornamental iron

work, rolled steel sash and skylights, tile, marble, metal lath, electric, steam heat. Contract awarded John Schnabel, Inc., Denckla Building, Philadelphia.

Factory, 1056 Germantown avenue, Philadelphia. Architect, H. B. Weldon, 1817 Callowhill street, Philadelphia. Owners, Queen City Printing Ink Co., on premises. Brick, cut stone, art stone, steel, 1 story, 161x30 feet, slag roof, cement and maple floors, painting and glazing, roof ventilators, architectural terra cotta, ornamental iron work, copper skylights, rolled steel sash, tile work, metal lath, electric light, cast stone, plumbing, wrought iron pipe. Contract awarded Smith-Hardican Co., 1809 Callowhill street, Philadelphia.

Manufacturing Building (add. third, fourth and fifth stories), Fountain street and Philadelphia & Reading Railroad, Philadelphia, \$50,000. Architect, private plans. Owners, A. T. Baker & Co., on premises. Reinforced concrete, brick, steel, 3 stories add., 126x60 feet,

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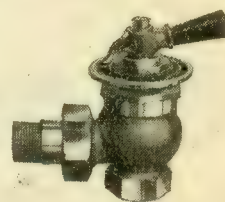
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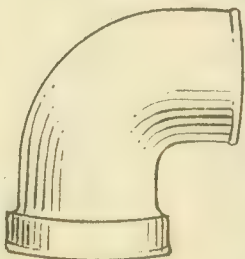
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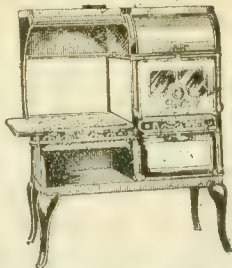
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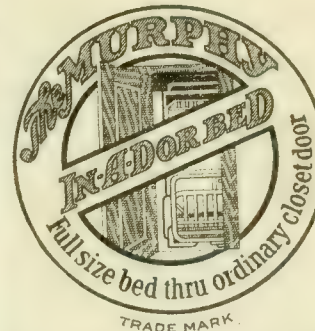
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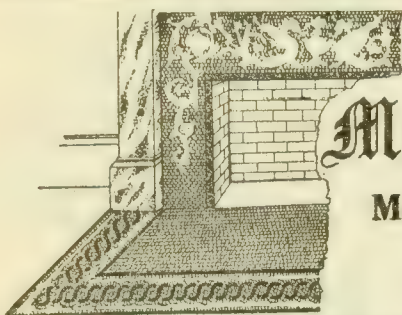


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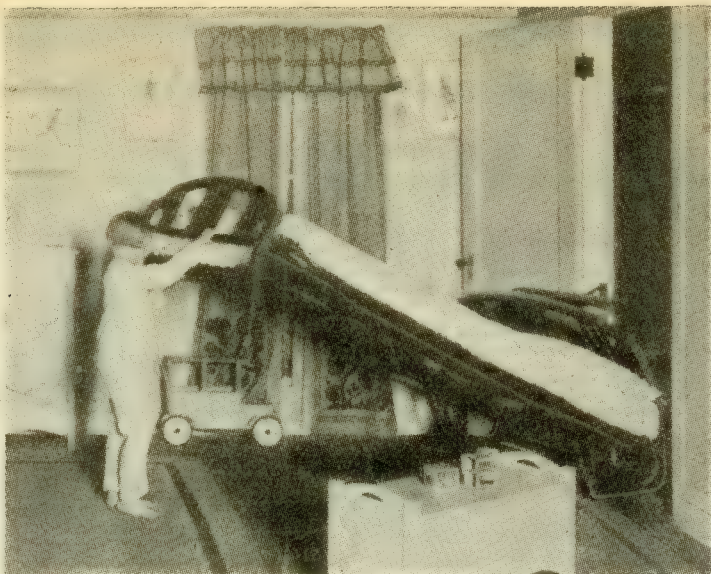
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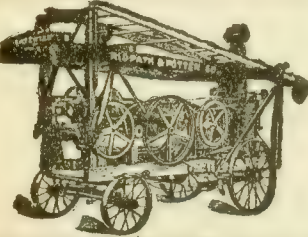
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slag roof, cement floors, rolled steel sash, ornamental iron, plumbing, elevators, automatic sprinkler system, elevator doors. Contract awarded to Barclay White & Co., 1713 Sansom street.

Garage (alts. and add.), 911-17 North Twenty-sixth street, Philadelphia, \$12,000. Architect, Joseph Margolis, Schaff Building, Philadelphia. Owner, Joseph Waldow, on premises. Brick, cast stone, concrete, steel, 1 story, 117x37 feet (plumbing, heating reserved), electric light, rolled steel sash, galvanized iron skylights, fire doors, bond, ornamental iron work, slag roof, cement work. Contract awarded T. S. Fetter, 1829 Filbert street, Philadelphia.

Building (alts. and add.), 12 South Twenty-first street, Philadelphia. Architect, Frank V. Nickels, 15 South Twenty-first street, Philadelphia. Owner, John C. Hoepfner, on premises. Brick work, bond, stone, 3 stories and basement, slag roof, electric light, metal

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lath, rolled steel sash, cut stone, iron work, plastering, plumbing, painting and glazing. Contract awarded Knox Landers, 1132 Vine street, Philadelphia, but not yet signed.

Stadium, Thirty-third and Spruce streets, Philadelphia. Architects, Day & Klauder, Franklin Bank Building, Philadelphia. Engineer, W. H. Gravel, Otis Building, Philadelphia. Owners, University of Pennsylvania, Percival M. Wilson, Chairman of Grounds and Buildings, Thirty-fourth and Spruce streets. Reinforced concrete, steel, cut cast stone, hollow tile, plastering, plumbing, drainage, hardware, metal lath, hollow metal sash, bond, ornamental iron work, iron gates and grills, metal window guards, painting, wrought iron pipe. Contracts awarded: Foundations, Raymon Concrete Piling Co., 1423 Locust street, Philadelphia. Steel, Shoemaker Bridge Co., Pottstown, Pa.

Schools (2), Seventeenth and Christian and Eighth and Parrish streets, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Contracts awarded: Eighth and Parrish—McCloskey Co., 1620 Thompson street, Philadelphia, \$284,284; plumbing, L. J. Somers, 2436 Brown street, Philadelphia, \$13,129; heating, McClintock Co., 5608 Race street, Philadelphia, \$28,995; electric, Enterprise Elec., 239 South Tenth street, Philadelphia, \$5,344; ventilating, Mellon Co., 4415 Ludlow street, Philadelphia, \$1,270. Contract awarded Seventeenth and Christian, McCloskey Co., 1620 Thompson street, \$284,284; heating, McClintock Co., 5608 Race street, \$28,990; electric, Enterprise Elec., 238 South Tenth street, Philadelphia, \$5,257; ventilating, Mellon Co., 4415 Ludlow street, Philadelphia, \$1,270; plumbing, L. J. Somers, 2436 Brown street, Philadelphia, \$12,920.

Miscellaneous School Work, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Contracts awarded: Forten School—Mitchell Brothers, 2125 Race street, Philadelphia, \$19,990; plumbing, S. Faith & Son, 2426 Pennsylvania avenue, Philadelphia, \$4,623; heating, S. Faith & Son, 2426 Pennsylvania avenue, Philadelphia, \$371. Benney School—E. C. Durrell, 1713 North Twenty-fourth street, Philadelphia, \$12,523; plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$5,388; heating, Thompson Brothers, 520 Buttonwood street, Philadelphia, \$6,569. Specification 238, painting, various school—J. Murphy, 1835 Ludlow street, \$4,395. Specification 239—H. W. Ehringer, Sixth and Duncannon streets, \$570. Specification 252—J. J. Murphy, 1835 Ludlow street, Philadelphia, \$3,200. Specification 246, electric—Enterprise Elec Co., 239 South Tenth street, \$4,100. Specification 263—H. Hart, 7010 Ditman street, Philadelphia, \$1,115. Specification 264—Ross Elec. Co., 106 Fairmount avenue, \$1,997. Specification 265—Enterprise Elec. Co., 239 South Tenth street, \$854. Specification 266—Enterprise Elec. Co., 239 South Tenth street, \$878. Specification 267—Enterprise Elec. Co., 239 South Tenth street, \$800. Specification 268—Ross Elec. Const. Co., 106 Fairmount avenue, \$1,497. Specification 269—E. F. Goldhahn, 4435 Chestnut street, Philadelphia, \$1,076. Specification 270—Ross Elec. Const. Co., 106 Fairmount avenue, \$800. Specification 271—Enterprise Elec. Co., 239 South Tenth street, \$1,145.

Residence (add.), Chestnut Hill, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner, Livingston Jones, on premises. Stone, 2 stories, 10x15 feet (plumbing, heating and electric reserved), shingle roof, oak and pine floors. Contract awarded Fred Elvidge & Son, 5522 Germantown avenue, Philadelphia.

Office Building, 312-322 Walnut street, Philadelphia. Architect, private plans. Owners, Maryland Casualty Co., on premises. Rein-

forced concrete, steel, 6 stories and basement, 120x99 feet, steam heat, electric light, slag roof, cement floors, elevators. Contract awarded William Steele & Son, 219 North Broad street, Philadelphia.

Warehouse, Front and Venango streets, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Industrial Realty Corp., on premises. Reinforced concrete, brick, 4 stories, 276x99 feet, slag roof, cement floors, hollow tile, safety treads, rolled steel sash and skylights, fire and kalamein doors, bond, floor hardener, ornamental iron work, steel partitions, integral waterproofing. Contract awarded to Barclay White Co., 1713 Sansom street, Philadelphia.

Alterations for Stores, Seventh and Morris streets, Philadelphia. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Southwark Trust Co., on premises. Brick, cut stone, composition and linoleum floors, cement and concrete, plastering, painting, glazing, metal ceilings, marble and terrazzo work, metal toilet partitions, hardware, iron fence. Contract awarded Murphy-Quigley Co., 1524 Sansom street, Philadelphia, but not signed.

Store and Residence (alts. and add.), 843 North Fortieth street, Philadelphia, \$3,500. Architect, private plans. Owner, Harry Soffer, on premises. Brick, 3 stories, 16x10 feet, general alterations. Contract awarded to M. Weinstein, 423 North DeKalb street, Philadelphia.

Store and Residence (alts. and add.), 1443 Snyder avenue, \$6,830. Architect, A. H. Savery, 1309 Locust street, Philadelphia. Owner, Samuel Bastian, 2136 South Carlisle street, Philadelphia. Brick, 3 stories add., 16x54 feet, general alterations. Contract awarded to James A. Fitzgerald & Son, 1623 Snyder avenue.

Residences (8), South side Tyson street, West of Bingham street, \$38,400. Architect, private plans. Owners, Mahon & Phillips, 4910 North Fairhill street, Philadelphia. Brick, 2 stories, 16x41 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to E. V. Phillips, 7202 Oxford avenue, Philadelphia.

Store and Residence (add. and alts.), 1628 South street, \$11,000. Architect, private plans. Owner, J. Goodman, 1642 South street, Philadelphia. Brick, 3 stories add., 12 feet 6 inches x 29 feet, general alterations. Contract awarded to Clymer & Feldson, 2407 South Marshall street.

Residence and Store, Southeast Corner Dungan road and Cottman street, \$11,500. Architect, Peter Kuhn, 3058 North Eighth street, Philadelphia. Owner, D. Di Carolis, 560 Rising Sun avenue, Philadelphia. Brick, 2 stories, 18x80 feet, store, 1 story, 14x36 feet, hardwood and pine floors, electric lighting. Contract awarded to Fred Piccari, 5507 North Fairhill street, Philadelphia.

Foundations for Cooling Tower and Alts., Roosevelt Boulevard and Whitaker street, Philadelphia, \$16,500. Owners, Sears-Roebuck Co., on premises. Concrete foundations, general alterations. Contract awarded to Turner Const. Co., 1713 Sansom street, Philadelphia.

Hotel (add.), 39 and 41 Allen's Lane, Philadelphia, \$14,000 total. Architect, private plans. Owners, Cresheim Co., 41 Allen's lane, Philadelphia. Brick, 2 stories, 31x26 feet, and 3 stories add., 22x191 feet, hot water heat, electric light, oak and pine floors. Contract awarded to I. A. Dunkelberger, 71 Herman street, Philadelphia.

Bakery (alts.), Southeast Corner Thompson and Hutchinson streets, \$4,000. Owners, The Mees Bakery, on premises. General alterations. Contract awarded to George Kessler Const. Co., 1733 North Marvine street.

Residences (5), Wellsley road, East of McCallum street, \$54,000. Architect, private

plans. Owner, George W. Carson, 5601 Germantown avenue, Philadelphia. Stone, (2) 2 stories, 21x32 feet, (3) 3 stories, 24x32 feet, 28x32 feet and 30x32 feet, 21x19 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Carson Brothers, 5601 Germantown avenue, Philadelphia.

Club House (alts. and add.), 1516 Parrish street, Philadelphia, \$30,000. Architect, Joseph S. Fortescue, Terminal Building, Philadelphia. Owners, Fifteenth Ward Republican Club, on premises. Brick, 2 stories, 20x64 feet, 1 story, 3x32 feet, general alterations. Contract awarded to J. F. Trent, Nineteenth and Addison streets, Philadelphia.

Garage, West side Broad street, North of Seventy-first avenue, Philadelphia, \$15,000. Architect, private plans. Owner, A. Liebowitz, Bala, Pa. Brick, 1 story, 45x178 feet, slag roof, cement floors, electric work. Contract awarded to S. Marcus, 429 South Fifty-seventh street, Philadelphia.

Residence, Southeast Corner Gates and Shalkop streets, Philadelphia, \$11,500. Owner, R. W. McCoy, 7900 York road, Philadelphia. Brick, 2 stories, 28x43 feet, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to C. M. Swartley & Son, 6835 Ridge avenue.

Store and Residence (alts.), 3703-05 Spruce street, Philadelphia, \$7,000. Architect, private plans. Owner, Mrs. John Sheehan, on premises. General alterations. Contract awarded to Turnbull & Cornell, 15 South Twenty-first street, Philadelphia.

Bridge on line Tenth street, over Greenwich Branch, Pennsylvania Railroad and Baltimore & Ohio Railroad. Architect, private plans. Owners, care of George H. Biles, Director, 216 City Hall, Philadelphia. Contract awarded George F. Dobbins, 1020 South Forty-seventh street, Philadelphia, \$63,143.

Residences (2), Faunce street, West of Bustleton avenue, \$7,000 each. Architect, private plans. Owner, John Rushton, 4041 North Fairhill street, Philadelphia. Brick and frame, 2 stories, 16x54 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded to H. E. Durst, Rhawn and Castor avenue, Philadelphia.

Residence, Ripley street, East of Large street, Philadelphia, \$7,000. Architect, private plans. Owner, Frank L. Harvey, 3237 Spring Garden street, Philadelphia. Frame, 2 stories, 24x28 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to H. E. Durst, Rhawn and Castor avenue, Philadelphia.

Residence, Rhawn and Summerdale avenue, Philadelphia. Architect, private plans. Owner, Mr. Voorhees, Rhawn and Summerdale avenue, Philadelphia. Frame, 2 stories, 24x28 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to H. E. Durst, Rhawn and Castor avenue, Philadelphia.

Building (add.), 2840 D street, Philadelphia, \$2,500. Architect, private plans. Owner, Samuel Goldman, 6127 Catherine street, Philadelphia. Brick, 1 story add., 11x75 feet. Contract awarded to D. Chanin, 1332 North Marshall street, Philadelphia.

Store and Residence, Northwest Corner Seventeenth and Fitzwater streets, \$6,000. Architect, private plans. Owner, C. T. Allmond, on premises. Brick, 3 stories, 13x32 feet, second and third stories, 16x12 feet, alterations. Contract awarded to W. R. Waymon, 744 South Chadwick street, Philadelphia.

Residence and Garage (alts. and add.), 6911 Clearview street, \$7,000. Architect, private plans. Owner, C. D. Ehret, on premises. Stone, 2 stories, 16x20 feet, garage, concrete block, 1 story, 17x10 feet. Contract awarded to

James H. Watkins, 168 East Walnut Lane, Philadelphia.

Residences (10), South side Lansing street, West of Castor road, \$4,500 each. Architect, private plans. Owner, J. Fred Burkhart, 5519 North Fifth street, Philadelphia. Frame, 2 stories, 16x40 feet, slag roof, hardwood and pine floors. Contract awarded to Charles M. Sinn, 4950 North Warnock street, Philadelphia.

Store (add.), 2614 West Columbia avenue, Philadelphia, \$4,000. Owner, Max Levinson, on premises. Brick, 1 story add., 16x38 feet. Contract awarded to Sol. Getz, 2320 West Oxford street, Philadelphia.

Residence (alts. and add.), 530 West Mt. Pleasant avenue, \$3,400. Owner, D. Koumjian, Greene and Penn streets, Philadelphia. Brick, 1 story add., 2 wings, 5x12 feet each, general alterations. Contract awarded to William F. Roth, Jr., Erdenheim, Pa.

Residence, 344 West Queen lane, Philadelphia, \$8,000. Architect, private plans. Owner, L. Young, 243 West Queen lane, Philadelphia. Brick, 2 stories, 16x56 feet, hot air heat, electric light, hardwood and pine floors. Contract awarded to John Roman, 414 East Brighthurst street, Philadelphia.

Residences (2), North side Stanwood street, West of Ryers street, \$3,500 each. Architect, private plans. Owner, J. A. Bacher, 7862 Oxford Pike, Philadelphia. Brick, 2 stories, 16x26 feet, 1 story, 16x7 feet, slag roof, pine floors, pipeless heat, electric light. Contract awarded to S. W. Myers, 4650 Boudinot street, Philadelphia.

Residence, South side Blakiston street, East of Torresdale avenue, \$3,000. Architect, private plans. Owner, Leonard Jackson, 8412 Hegerman street, Philadelphia. Frame, 2 stories, 16x32 feet, pipeless heat, electric lighting. Contract awarded to John S. Tarbuton, Philmont, Pa.

Shop (alts. and add.), 4089 Lancaster avenue, Philadelphia, \$2,400. Architect, private plans. Owner, Daniel Brenner, on premises. Brick, 1 story add., 3x28 feet, general alterations. Contract awarded to P. Gontar, 1216 North Forty-first street, Philadelphia.

Residence, North side Kerper street, East of Rising Sun avenue, \$5,800. Architect, private plans. Owner, Charles C. Brandow, Glenside, Pa. Frame, 2 stories, 24x26 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Harry S. Phifer, Glenside, Pa.

Residence (add.), 6820 Mower street, Philadelphia, \$4,750. Architect, private plans. Owner, H. W. Forster, on premises. Brick, second and third story adds., 12x12 feet. Contract awarded to McClintock & Weaver, 24 West Phil-Ellena street.

Residence (alts.), Southeast Corner Sixth and Independence avenue, \$3,000. Architect, private plans. Owner, John H. Evans, on premises. General alterations. Contract awarded to Edward B. McCall, Southeast Corner Sixty-fifth and Park avenue.

Store and Residence (alts.), 4132 Market street, Philadelphia. Architect, private plans. Owner, Louis Benjamin, on premises. General alterations. Contract awarded to Harry Alterman, 721 Walnut street, Philadelphia.

Store and Residence (alts. and add.), 6209 Gray's avenue, \$3,000. Architect, private plans. Owner, Noehr Mattera, 1310 Reed street, Philadelphia. Brick, 1 story add., 17x20 feet, general alterations. Contract awarded to Frank Luci, 1603 Ellsworth street, Philadelphia.

Garage, 2905 North Eighth street, Philadelphia, \$2,500. Architect, private plans. Owner, Henry Frieling, 2903 North Eighth street, Philadelphia. Brick, 1 story, 20x66 feet, 16x16 feet, slag roof, cement floor. Contract awarded to William Freiling, 2553 North Fifth street, Philadelphia.

Building (alts.), 1820 Chestnut street, Philadelphia, \$4,000. Owners, Oliver H. Bair Co., on premises. General alterations. Contract awarded to Turnbull & Cornell, 15 South Twenty-first street, Philadelphia.

Factory (add.), 4325 North Bodine street, Philadelphia, \$13,000. Architect, private plans. Owners, Unity Hosiery Co., on premises. Brick, 1 story add., 56x60 feet, slag roof, pine floors, electric work. Contract awarded to Harry C. Haering, 1144 East Sedgley avenue.

Residence, Southwest Corner Third street and Cheltenham avenue, Philadelphia, \$10,000. Architect, Charles S. Parker, 5018 Schuyler street, Philadelphia. Owner, Charles S. Wallace, 3928 North Sixth street, Philadelphia. Stone, 2 stories, 29x40 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to C. Daintolo, 2329 West Somerset street, Philadelphia.

Residences (5), 2922-30 North Twenty-second street, Philadelphia, \$8,000 each. Architect, private plans. Owner, Max Sigel, 729 Snyder avenue, Philadelphia. Brick, 2 stories, 16x47 feet 5 inches, 13x22 feet 7 inches, hot water heating, electric lighting, hardwood and pine floors, tile work. Contract awarded to Philip Savar, 719 Snyder avenue, Philadelphia.

Residence (add. and heating), 850 West Carpenter lane, Philadelphia, \$7,000. Architect, private plans. Owner, James E. Walsh, on premises. Brick, 2 stories add., 13x17 feet, hot water heating. Contract awarded to M. H. Grebe, 5 East Highland avenue, Philadelphia.

Factory (alts.), 2601 North Hancock street, Philadelphia, \$2,000. Architect, private plans. Owners, Razon Fibre Co., on premises. General alterations. Contract awarded to Thomas Strachan, 5108 Hadfield avenue, Philadelphia.

Garage (alts.), 2349 Mifflin street, Philadelphia, \$2,200. Architect, private plans. Owner, J. Hepburn, 2351 Mifflin street, Philadelphia. General alterations. Contract awarded to W. H. Davis, 149 North Fifteenth street, Philadelphia.

Apartment (alts.), 4820 Westminster avenue, Philadelphia, \$3,000. Architect, private plans. Owner, P. Gerhart, 619 Ransstead St., Philadelphia. General alterations. Contract awarded to W. G. Ash, 5442 Westminster avenue.

Garage, 2912 Oxford street, Philadelphia, \$2,200. Architect, private plans. Owner, Joseph London, on premises. Brick, one story, 16x18 feet, slag roof, cement floors. Contract awarded to Louis Cutler, 2001 Boston avenue, Philadelphia.

Alterations and Additions, Main and Levering street, Manayunk, Philadelphia. Architect, Paul A. Davis, Dunlap and Barney, 1805 Walnut street, Philadelphia. Owner, Manayunk National Bank, on premises. Brick, concrete, steel, stone work, bronze work, plastering, painting and glazing, carpentry and millwork, hardware, plumbing, steam heat, electric light, metal lath. Contract awarded Hughes-Foulkrod Co., Commonwealth Building, Philadelphia.

Office Building (alts. and add.), 1721 Spruce Street, Philadelphia, \$10,000. Architect, J. S. Fuller, 5438 Locust street, Philadelphia. Owner, Henry S. Belber, care of architect. Brick, limestone, new front and 2 stories addition, 8x10 feet, (painting and glazing reserved), hot water heat, electric light, marble work, slag roof, hardwood floors, noramental iron work. Contract awarded Atlas Const. Service, 806 Wynnewood Road, Philadelphia. Plumbing and heating, J. F. Seibel, 3626 N. 17th street, Philadelphia, \$4,000. Electric, Eidlow Electric Shop, 5518 Chester Ave., Phila., \$750.

Pennsylvania Construction News

Residence, St. Davids, Pa. Architect, private plans. Owner, Donald J. Flanagan, 1504 Locust street, Philadelphia. Stone, stucco, 2½ stories, 54x45 feet, hot water heat, electric light, shingle roof, hardwood floors, tile work, steel sash. Owner taking sub-bids due July 24th.

Post Office (alts. and add.), Pottsville, Pa. Architect, Jas. A. Wetmore, Treasury Department, Washington D. C. Owners, United States Treasury Department, Washington, D. C. Drawings may be obtained from Custodian at Pottsville or at Treasury Department, Washington, D. C. Owners taking bids due August 18th, at 3 P. M.

Masonic Hall Building, Lehigh, Pa. Architects, Jacoby and Everett, Commonwealth Building, Allentown, Pa. Owners, Masonic Hall Association, Lehigh, Pa. Brick, steel, block and tile, 3 stories, 65x130 feet, slag roof, hardwood and cement floors, hollow tile, safety treads, ornamental iron work, rolled steel sash, tile work, metal lath, steam heat, electric light. Architects taking bids due August 10th at 5 P. M.

Hospital (add.), Pottsville, Pa. Architect, C. E. Kendrick, Second and Mahantongo Sts., Pottsville, Pa. Owner, Dr. Lemos B. Warne, 207 Mahantongo street, Pottsville. Brick, 3 stories, 41x38 feet, 4 stories, 22x97 feet, electric light, steam heat, tile work. Contract awarded to E. R. Bastress Lumber Co., Tremont, Pa.

Club House and Library, Levering Mill Road, Montgomery County, \$60,000. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owners, Women's Club of Bala-Cynwyd, Mrs. J. D. Stevenson, President, Bala, Pa. Details undecided. Preliminary sketches in progress.

Convent, Marshall and Buttonwood streets, Norristown, Pa. Architect, Frank V. Nickels, 15 South Twenty-first street, Philadelphia. Owner, St. Francis of Assisi R. C. Church, Rev. F. J. Ross, 545 Hamilton street, Norristown, Pa. Details undecided.

Stores and Apartments (6), Royersford, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner's name withheld. Brick, steel, three stories, 50x120 feet, tin roof, oak and pine floors, plate glass, plumbing, steam heat, electric light, steel and wood sash, steel and galvanized iron skylights, bond. Plans in progress.

Residence Operation, Ardmore, Pa. Architects, MacKenzie & Wiley, Bankers' Trust Building, Philadelphia. Owner, Frank H. Mahan, 15 East Lancaster avenue, Ardmore, Pa. Frame, brick, stucco, 2½ stories, hot water heat, electric light, tile work, shingle roof, hardwood floors. Plans in progress, details and number of houses undecided.

Store (alts. and add.), Market street, Harrisburg, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owners, F. & W. Grand Co., care of M. L. Morrison, 906 Broadway, New York. Brick, one story, 100x27 feet, slag roof, pine floors, freight elevator, heating extension, electric light. Plans in progress.

Church and Sunday School, Indiana, Pa., \$150,000. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, United Presbyterian Church, Dr. J. C. Pinkerton, Indiana, Pa. Stone, one and three stories. Plans in progress, details undecided.

School and Convent, New Philadelphia, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, Lithuanian R. C. Church, Rev. S. C. Musuras, Clay street, New Philadelphia, Pa. Brick, steel, three stories and basement, 88x26 feet, 64x56 feet, 34x88 feet, composition roof, hardwood and

tile floors, safety treads, roof ventilators, iron stairs, fire doors, tile and marble work (heating, plumbing and electric reserved). Plans in progress.

Bakery (add.), Reading, Pa. Architect, H. G. Mohn, Church and Walnut streets, Mohn-ton, Pa. Owner, Andrew Maier, 413 Lancaster avenue, Oakbrook, Reading, Pa. Brick, steel, two stories, 80x80 feet, slag roof. Plans in progress.

Church, York, Pa. Architect, J. A. Dempwolf, Cassatt Building, York, Pa. Owners, Union Lutheran Church, Rev. Dr. Feldman, York, Pa. Preliminary plans in progress.

Residence, York, Pa. Architects, Witman & Royer, 47 East Market street, York, Pa. Owner, C. W. Hoffman, York, Pa. Brick, 2½ stories, 40x30 feet, asbestos shingle roof, hardwood floors, vapor heat, electric light, tile work. Plans in progress.

Sunday School, East Market street, York, Pa. Architect, J. A. Dempwolf, Cassatt Building, York, Pa. Owners, St. Martin's Evangelical Lutheran Church, Rev. P. Livingstone, 706 East Market street, York, Pa. Brick, steel, 1½ stories, 70x80 feet, asbestos roof, maple floors, steam heat, electric light. Plans in progress.

Church, Mt. Pleasant, Pa. Architect, J. B. Hamme, City Bank Building, York, Penna. Owners, care of Rev. W. R. Brennenman, Mt. Pleasant, Pa. Brick, one story and basement, 79x40 feet, slate roof, pine floors, hot air heat, electric light. Owners will build.

Residence, York, Pa. Architects, Witman & Royer, 47 East Market street, York, Pa. Owner, S. L. Grass, York, Pa. Hollow tile, stucco, 2½ stories, 34x31 feet, shingle roof, hardwood floors, vapor heat, electric light, tile work. Owner will build.

Residence and Garage, Jenkintown, Pa. Architect, Charles W. Gilmore, 2829 North Broad street, Philadelphia. Owner, Howard I. Regar, care of architect. Stone, hollow tile, stucco, 2½ stories, 26x46 feet, variegated slate roof, hardwood floors, hot water heat, electric light, tile work. Architect ready for sub-bids.

Factory, Lansdale, Pa. Architect, J. S. Fuller, 5438 Locust street, Philadelphia. Owners, Crown Paper Co., Lansdale, Pa. Brick, one story, 30x118 feet, 75x150 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash and skylights, roof vents. Plans in progress. (Architect will take bids in three weeks.)

Residences (24), State Road, Keystone, Hazel and Pennoek avenues, Bywood, Delaware County, Pa. Architect, private plans. Owner, Thos. Killough, Bywood, Delaware County, Pa. Brick, stucco, stone, 2½ stories, 20x40 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Owner taking sub-bids.

School, Huntingdon Valley, Pa. Architects, Druckenmiller & Williams, Otis Building, Philadelphia. Owners, Lower Moreland Township, West Ridgeway, Huntingdon Valley, Pa. Revised plans in progress. Architects will take bids in three weeks.

Residences and Garages (2), Merion avenue and Brookway, Merion, Pa. Architect, private plans. Owner, Wm. E. Hexamer, 932 Chestnut street, Philadelphia. Stone, 2½ stories, 52x30 feet, garage 22x18 feet, 40x32 feet, garage 22x22 feet, hot water heat, electric light, tile and marble work, tile roof, hardwood floors. Plans completed. Owner ready for sub-bids.

Church (add.), Bethlehem, Pa. Architects, Chas. W. Bolton & Son, Schaff Building, Philadelphia. Owners, Grace Reformed Church, Bethlehem, Pa. Brick, one story, 30x40 feet. Plans in progress, ready for bids in one month.

Church and Rectory, Ford and Union Sts., Bridgeport, Pa. Architects, Hoffman, Henon Co., Finance Building, Philadelphia. Owners,

Our Lady of Mt. Carmel, Italian R. C. Church, Rev. John Colantoni, Bridgeport, Pa. Stone, basement of Church only, 50x90 feet, rectory two stories and basement, 35x40 feet, slate roof, hot water heat, electric light. Plans in progress. Architects will be ready for general bids in two weeks.

High School, Bloomsburg, Pa., \$100,000. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, School Board, R. A. McCahren, Secretary, Bloomsburg, Pa. Brick, stone, two stories and basement. Auditorium and gymnasium, built up roof, pine floors, steam heat, electric light. Plans about completed. Owner will take bids in one week.

Residence, North Second street, Harrisburg, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owner, Wm. Fisher, 1001 Capital street, Harrisburg, Pa. Brick, 2½ stories, 35x45 feet, metal roof, hardwood floors, hot water heat, electric light, tile work. Owner taking sub-bids.

Residences (800), North Springfield, Delaware County, Pa. Architect, private plans. Owners, R. H. Scroggins & Son, Drexel Hill, Delaware County, Pa. Stone, frame, stucco, two stories, 22 feet 8 inchesx34 feet, hot water heat, electric light, tile work, shingle roof, hardwood floors. Owners taking sub-bids.

Residences (200), Main to Greenway, Twenty-third to Twenty-fourth streets, Darby, Pa. Architect, private plans. Owners, Berman Bros., 6019 Market street, Philadelphia. Brick, two stories, 16x36 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress. Owners will take sub-bids in two weeks.

Residences (46), Drexel Hill, Delaware Co., Pa. Architect, private plans. Owners, R. H. Scroggins & Son, Drexel Hill, Delaware Co., Pa. Stone, frame, stucco, two stories, 22 feet 8 inchesx34 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Owners taking sub-bids.

Residence and Garage, Rosemont, Pa. Architects, DeArmond, Ashmead & Bickley, 20 S. Fifteenth street, Philadelphia. Owner, Ralph L. Hays, Lansdowne, Pa. Stone, frame, 2½ stories, 87x32 feet, vapor heat, electric light, tile and marble work, shingle roof, hardwood floors. Architects taking sub-bids.

Residence and Garage, Ithaca, Pa. Architects, DeArmond, Ashmead & Bickley, 20 S. Fifteenth street, Philadelphia. Owner, E. H. York, Haverford, Pa. Clapboard, 2½ stories, 31x71 feet, vapor heat, electric light, tile and marble work, shingle roof, hardwood floors. Architects taking sub-bids.

Residence and Garage, Rosemont, Pa. Architects, DeArmond, Ashmead & Bickley, 20 S. Fifteenth street, Philadelphia. Owner, J. Burton, Mustin, Fairfax Apartments, Germantown, Philadelphia. Stone, tile, stucco, 2½ stories, 118x36 feet, vapor heat, electric light, tile and marble work, shingle roof, hardwood floors. Architects taking sub-bids.

Residence and Garage, Haverford, Pa. Architects, DeArmond, Ashmead & Bickley, 20 S. Fifteenth street, Philadelphia. Owner, J. Morgan Lister, 1512 Germantown avenue, Philadelphia. Stone, 2½ stories, 35x82 feet, vapor heat, electric light, tile and marble work, slate roof, hardwood floors. Plans in progress. Architects will sub-let.

Residence (add. and alts.) to Apartment, Harrisburg, Pa. Architect, B. E. Starr, 9 N. Second street, Harrisburg, Pa. Owner, Dr. D. I. Miller, 1839 North Sixth street, Harrisburg, Pa. Brick, third story addition, 80x20 feet, slag roof, pine floors, heating extension, electric light. Owner will take bids.

Stable and Wagon Shed, Harrisburg, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owners, City of Harrisburg, Dr. Hassler, Harrisburg, Pa. Brick, fireproof, one and two stories, 30x160 feet, 176x20 feet,

128x20 feet, slate roof, concrete floors, electric light, steel sash, fire doors. Owners will be ready for bids in one week.

Residence, Second and Division streets, Harrisburg, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owner, Paul Doutrich, Front and Boas streets, Harrisburg, Pa. Brick, 2½ stories, 30x45 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Architect will be ready for bids in one week.

Church and Sunday School, Easton, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owners, Evangelical Church, Rev. E. M. Smith, Easton, Pa. Stone, brick, steel, one and three stories, 40x120 feet, slate and composition roof, yellow pine floors, cinder block, vapor heat, electric light. Architect ready for bids, due August 3rd.

Vocational High School, Picture Rocks, Lycoming County, Pa. Architects, M. E. Kressly & Co., Harrisburg, Pa. Owners, School District of Picture Rocks, Picture Rocks, Pa. Brick, frame, concrete, one story, 98x180 feet, asbestos shingle roof, wood floors, roof ventilators, ornamental iron work, skylights (heating, plumbing and electric work separate). Owners will be ready for bids next week.

Factory, Lewis and Detta streets, Minersville, Pa. Architect, W. D. Shollenberger, 155 West Third street, Williamsport, Pa. Owner, H. D. Bob Shirt Co., Wm. Apple, Minersville, Pa. Brick, steel, reinforced concrete, three stories and basement, 84x80 feet (plumbing, heating, electric reserved), Barrett specified roof, maple and concrete floors, elevator, rolled steel sash, tin clad and kalamein doors, bond, ornamental iron work. Owners taking bids, due July 23rd.

Mt. Pleasant Public School (alts.), near Stafford, Chester County, Pa. Architect, Franklin D. Edmunds, Real Estate Trust Building, Philadelphia. Owners, Board of Education, School District of Tredyffren, Pa., care of Erick Ottey, Paoli, Pa. Bond, carpentry and millwork, plastering, maple floors, metal lath, cement work, metal weatherstripping, painting, glazing, plumbing, steam heat (alts.). Architect taking bids, due August 4.

Church (alts. and add.), South Third and South streets, Minersville, Pa. Architect, Horace G. Cook, Jr., Minersville, Pa. Owners, Baptist Church, Minersville, Pa. Concrete block, brick, steel, one story and basement, 46x38 feet (plumbing, heating, electric and excavation separate), asphalt shingle roof, pine floors, rolled steel sash, ornamental iron work, painting and glazing. Owners taking bids, due as soon as possible.

School, Centerville, Cumberland County, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, School District of Penn Township, Centerville, Pa. Brick, one story, 53x78 feet, slag roof, yellow pine floors, hollow tile, roof ventilators, terra cotta (heating, plumbing and electric lighting separate). Architect taking bids, due July 24th.

Interlocking Signal Tower, Easton, Pa. Architect, Chief Engineer G. T. Hand, 143 Liberty street, New York. Owners, Lehigh Valley R. R., 143 Liberty street, New York City. Brick, two stories, 28x14 feet, asbestos shingle roof, concrete floors. Engineer taking bids, due July 24th.

Residence, Garage and Chauffer Quarters, Rose Tree, near Media, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owner, Dr. F. O. Lewis, 259 South Seventeenth street, Philadelphia. Stone, 2½ stories, 34x77 feet, slate roof, hardwood floors, electric light (heating reserved), tile work. Architects taking bids, due July 27th 3 P. M.

School (alts. and add.), Pottsville, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, St. John the Baptist R. C. Church, Rev. T. W. Langinus, 913

Mahantongo street, Pottsville, Pa. Enamelled brick, slate partitions, tile work. Owners taking bids.

Apartment Building, North Franklin St., Wilkes-Barre, Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owners, Marion Realty Corp., Wilkes-Barre, Pa. Brick, stone trim, six stories, slag roof, wood floors, hollow tile, roof ventilators, brass pipe, ornamental iron work, iron stairs, bond, tile and marble, metal lath (hardware, elevators, ash hoist and electric fixtures reserved), steam heat, electric light. Architect taking bids, due July 28th.

Phi Delta Theta Lodge, Swarthmore, Pa. Architect, Edward L. Tilton, 141 East Forty-fifth street, New York City. Owners, Swarthmore College, Dr. Frank Aydelotte, Swarthmore, Pa. Stone, steel, two stories and basement, 36x40 feet, gray slate roof, oak, cement and pine floors, steam heat, electric light, metal lath, tile and marble work, bond, ornamental iron work, integray waterproofing, flagstone, plumbing, wrought iron pipe. Owners taking bids, due July 27th.

Y. M. C. A. Building, Bradford, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owner, Ralph George, Bradford, Pa. Brick, steel, three stories, 63x90 feet, built-up roof, linoleum floors, hollow tile, dumbwaiters, cut stone, iron stairs, fire doors, bronze work, skylights, tile work, metal partitions, metal lath, steam heat, electric light. Architects taking bids, due August 3rd.

High School, Lemoyne, Pa., \$85,000. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owners, Lemoyne School Board, Mrs. J. E. Beale, President, Lemoyne, Pa. Brick, steel, one story, 120x100 feet, composition roof, maple floors, hollow tile, roof ventilators, bond, metal partitions, rolled steel sash, metal lath (heatin, plumbing and electric separate bids). Architect taking bids, due July 31st.

Residence, Drexel Hill, Delaware County, Pa. Architect, Horace G. Schoppe, Verree Road, Fox Chase, Philadelphia. Owner, J. Albright, care of architect. Frame, two stories, 48x22 feet, hot water heat, electric light, tile work, shingle roof, hardwood floors. Owner taking bids.

Residence, Drexel Hill, Delaware County, Pa., \$12,000. Architect, Horace G. Schoppe, Verree Road, Fox Chase, Pa. Owner, Bernard J. Segui, 6209 Christian street, Philadelphia. Cinder concrete block, 2½ stories, irregular, hot water heat, electric light, tile work, Spanish tile roof, hardwood floors. Owner taking bids, due as soon as possible.

Swimming Pool, Radnor, Pa. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owner, Mrs. W. L. Nevin, Radnor, Pa. Concrete and reinforced steel, 60x20 feet, four bronze ladders, cast stone, brick work. Architect taking bids.

Residences (75) (Spanish and California Residences and Bungalows), Jenkintown Road and Forrest avenue, Elkins Park, Pa. Architect, private plans. Owner's name withheld. Hollow tile, stucco, plaster, concrete block, concrete brick, one and two stories, 50x100 feet each, slag shingle and tile roof, hardwood and pine floors, hot water heat, electric light, tile bath and fireplace, rolled steel sash, carpentry and millwork, septic tanks, refrigeration, leaded glass, cement work, excavation. Fred E. Schmidt & Son, Inc., 2721 North Fifth street, Philadelphia, taking sub-bids, due as soon as possible.

Grading, Curbing, Sidewalks, Forrest avenue, Jenkintown Road, Huron avenue, Creseld avenue, Elkins Park, Pa. Owner's name withheld. Fred E. Schmidt & Son, Inc., 2721 N. Fifth street, Philadelphia, taking bids, due as soon as possible.

Meeting House, State College, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Society of

Friends, State College, Pa. Frame, one story, 28x51 feet (heating reserved), electric light, shingle roof. Architects taking bids, due July 24th.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Owners taking bids, due July 24th at 10 A. M. Plans \$2.50 per set.

Beaver County, R-347, A-3145, Franklin Township, 7,565 feet. One course reinforced concrete. Certified check \$2,000.

Bedford County, R-222, A-2815, St. Clair Township, 31,826 feet. One course reinforced concrete. Certified check \$4,000.

Blair County, R-47, Sec. 1, Duncansville and Newry Boroughs, Blair and Freedom Townships, 20,818 feet. One course reinforced concrete. Certified check.

Bradford County, R-241, Sec. 2, Tuscarora and Wyalusing Townships, Wyalusing Borough, 26,925 feet. One course reinforced concrete. Certified check \$4,000.

Butler County, R-79, Butler Township, 1,681 feet. One course reinforced concrete. Certified check \$1,500.

Cambria County, R-221, Sec. 3, Elder Township, 13,508 feet. One course reinforced concrete. Certified check \$2,500.

Crawford County, R-271, Oil Creek Township, 1,763 feet. Either bituminous surface course on concrete base or one course reinforced concrete. Certified check \$1,500.

Lehigh County, R-157, Sec. 3, Lower Macungie and South Whitehall Township, 15,414 feet. Either bituminous surface course on concrete base or one course reinforced concrete. Certified check \$2,500.

Luzerne and Monroe Counties, R-169, Sec. 2, Tobyhanna and Buck Townships, 11,193 feet. Grading and drainage. Certified check \$2,500.

Luzerne County, R-169, Sec. 2, Bear Creek Township, 12,866 feet. Grading and drainage. Certified check \$2,500.

Schuylkill County, R-162, Sec. 1-A, Tamaqua Borough, 3,460 feet. Either bituminous surface course on concrete foundation or one course reinforced concrete. Certified check \$1,500.

Pennsylvania Contracts Awarded

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Beaver County, R-243, Sec. 3, Ohio Township, 8,446 feet, \$94,991.93. Contract awarded to Rinehart Bros., East Liverpool, Ohio.

Blair County, R-53-260, Hollidaysburg Borough, 2,791 feet, \$35,709.11. Contract awarded to B. L. McKillip, Hollidaysburg, Pa.

Monroe County, R-167, A-2195, East Stroudsburg Borough, 6,396 feet. Contract awarded to Warren Bros., Boston, Mass., \$104,707.23.

Bank and Office Building, Baltimore and Lansdowne Ave., Lansdowne, Pa. Architect, Bunting & Shrigley, 603 Chestnut Street, Philadelphia. Owner, Lansdowne Trust Co., Lansdowne Avenue and Pennsylvania railroad, Lansdowne. Brick, cut stone, 2 stories and basement, 82x50 feet, wing 70x46 feet, (heating and electric work reserved), Barrett Specification roof, cement, cork and oak floors hollow tile, painting and glazing, plumbing, shoring, ornamental iron work, bond, bronze and kalamein doors, hollow metal skylights, solid metal sash, tile and marble work, metal lath, bluestone, granite, limestone, dumbwaiter, bronze, bank partitions. Byers or cading wrought iron pipe. Contract awarded Chester Cont. and Const. Co., Chester, Pa.

Manufacturing Building and Boiler House, Hatboro, Pa. Architect, private plans. Owner, Oscar Nebel, Fifth and Courtland streets,

Philadelphia. Brick, concrete and steel, 1 story, 100x285 feet, Boiler house 40x50 feet, slag roof, cement floors, steam heat, electric light, ornamental iron work. Contract awarded to Wm. Steele & Sons, 219 N. Broad Street, Philadelphia.

Residence (alts.), Conshohocken, Pa. Architect, Karcher and Smith, 34 South Seventeenth Street, Philadelphia. Owner Captain Kermet Wood, on premises. Stone, 1 story, 10x12 feet, canvas roof, pine floors. Contract awarded McNeill Const. Co., Schaff Building, Philadelphia.

Dormitory Building, Easton, Pa., \$165,000. Architects, Thomas, Martin & Kirkpatrick, Otis Building, Philadelphia. Owners, Lafayette College, Easton, Pa. Reinforced concrete, brick, cut stone, three stories and basement, 134x38 feet, metal lath, tile and marble work, hollow metal doors, bond, ornamental bronze, integral waterproofing, hollow tile, membrane waterproofing, green Vermont slate shingle roof, cement and linoleum floors, flagstone, gypsum block, hardware, metal corner beads, ornamental plastering, painting and glazing. Contract awarded to Bechtel & Bechtel, Easton, Pa.

Contract No. 23, Delaware River Bridge, \$495,511.50. Owners, Delaware River Bridge Joint Commission, Widener Building, Philadelphia. Grading side Delaware avenue to Fourth street and adjacent streets, construction of sewers and inlets, paving and repaving of roadway and sidewalks, alterations to Frankford Elevated structure and other work. Contract awarded to Mazzola & Marano Co., 739 South Seventh street, Philadelphia.

Church, Norwood, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Immanuel Lutheran Church, Rev. A. A. Kelly, Norwood, Pa. Stone, brick, reinforced concrete, steel, one story, gallery and basement, 115x50 feet, built-up Chapman slate roof, cork tile, cement, maple, oak and pine floors, hollow tile work, steam heat, electric light, metal lath, rolled steel skylights, hollow metal doors, bond, floor hardener, ornamental iron work, Byers or Reading galvanized wrought iron pipe, plumbing, hardware, masters boiler, truseom or general fireproofing, waterproofing, cast stone trim, metal corner boards, molded or ornamental plaster, painting and glazing. Contract awarded to Titzel Construction Co., Harrisburg, Pa.

Lodge (add.), 1040 Penn street, Reading, Pa. Architects, Scholl & Richardson, 510 Walnut street, Reading, Pa. Owners, Fraternal Order of Eagles, Wm. Luppold, Chairman, 117 North Eighth street, Reading, Pa. Stone, brick, two stories, 60x70 feet, composition roof, maple floors, vapor heat, electric light. Contract awarded to Fink Construction Co., 510 Walnut street, Reading, Pa.

Church (alts. and add.) and Sunday School, Frackville, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. Peter's Reformed Church, Frackville, Pa. Brick, steel, frame, stone trim, 47x90 feet, slate roof, concrete floors, hollow tile, damp-proofing, steam heating, bond. Contract awarded to Arthur Kesselring, Frackville, Pa.

Nurses' Home, West Chester, Pa. Architects, York & Sawyer, 100 East Forty-second street, New York City. Owners, Chester Co. Hospital, Miss Hodgkins, West Chester, Pa. Brick, three stories and basement, will contain a complete dietetic kitchen. Contract awarded to Wm. Francis, West Chester, Pa.

Club House (alts. and add.), near Royersford, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owners, Spring Ford Country Club, Chas. P. Floyd, Chairman, Royersford, Pa. Frame, three stories, 56x68 feet, wood and tin roof, oak floors, brick work (heating reserved), electric light, wood and steel sash, Morgan doors. Contract awarded to Brower H. Keiter & Son, Spring City, Pa.

Schools (2), Pottsville, Pa. Architect, Frank X. Reilly, Pottsville, Pa. Owners, School Board, R. A. Reid, Secretary, Pottsville, Pa. Bunker Hill School awarded to Gordon Nagle, Pottsville, Pa., \$69,800. Yorkville School awarded to W. J. Messersmith, Pottsville, Pa., \$37,520.

Residence (alts. and add.) to Office and Stores, Harrisburg, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owners, Parkside Building Corp., Harrisburg, Pa. Brick, three stories, 40x80 feet, slag roof, pine floors, plate glass, copper work, tile work, heating extension, electric light. Contract awarded to H. A. Aungst, 24 South Second street, Harrisburg, Pa.

Wharton School (alts.), Swarthmore, Pa. Architect, private plans. Owners, Swarthmore College, Mr. Pettinger, Swarthmore, Pa. Carpentry and millwork, plastering, painting and glazing, tile work. Contract awarded McNeill Construction Co., Schaff Building, Philadelphia.

Coal Trestle, Swedesland, Pa. Architect, Ralph Lawrence, Reading Terminal Building, Philadelphia. Owners, Philadelphia Slag Co., on premises. Reinforced concrete. Contract awarded A. L. Carhart, Penfield Building, Philadelphia.

Bridges Nos. 92-94, North of Webster, Pa. Owners, Philadelphia & Reading R. R., 12th and Market streets, Philadelphia. Grading and masonry. Contract awarded to Gannett, Seelye, Fleming, care of building site. Waterproofing awarded Martin & Breen, 1613 Sansom street, Philadelphia.

Reconstruction of Bridge Nos. 83-67, near Breherville, Pa. Grading and masonry awarded to H. Denberger, Bethlehem, Pa. Waterproofing awarded to Benj. Foster, 20th and Venango streets, Philadelphia.

Replacing of south bound track on Bridge 92-87, south of Reynolds, Pa. Supt. Struc. Bethlehem Steel Co., Widener Building, Philadelphia. Waterproofing awarded to Mimwax Co., 1505 Race street, Philadelphia.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Washington County, R-118, A-2844, Bentleyville and Ellsworth Boroughs. Contract awarded to Johnson & Kearns, DuBois, Pa., \$77,395.35.

Blair County, 260, Frankstown Township, 5,790 feet. Contract awarded to B. L. McKillip, Hollidaysburg, Pa., \$51,974.95.

Delaware-Montgomery Counties, R-142, Raynor and Lower Merion Townships. Contract awarded to Ambler-Davis Co., Harrison Building, Philadelphia, \$411,939.70.

Lebanon County, R-149, Jackson Township. Contract awarded to Juniata Co., Empire Building, Philadelphia, \$33,925.06.

Venango County, R-91, Cranberry and Pine Grove Townships. Contract awarded to Rockford, Ohio, \$210,651.76.

Warren County, R-88 Spur, Pittsfield and Freehold Townships. Contract awarded to Forness & Tower, Olean, N. Y., \$51,952.00.

New Jersey Construction News

Incinerator Building, Asyla, N. J. Architect, Arnold H. Moses, Temple Building, Camden, N. J. Owners, Camden County Tuberculosis Hospital, George R. Pelouze, Chairman, Board of Chosen Freeholders, Camden, N. J. Bond, deposit of \$25,000 (returned). Owners taking bids, due July 31st at 2 P. M. (Daylight Saving Time). Plans may be obtained from architect's office.

Residences (4), 957-59-61-63 Bergen avenue, Camden, N. J. Architect, private plans. Owners, Heller Bros., 1015 North Thirty-fifth street, Camden, N. J. Block and stucco, two

stories, 18x28 feet 8 inches, slag roof, pine floors, hot water heat, electric light. Owners will build.

Entrance Road, Camden, N. J. Owners, State Highway Commission, A. Lee Grover, Secretary, Broad Street Bank Building, Trenton, N. J. Construction of Delaware River Bridge Entrance Road, Section 1, from 11th street, to Cooper, in City of Camden; elevation of Federal street by means of concrete viaduct about 896 feet long, on concrete piles; construction of temporary detour road. Reinforced concrete pavement, granite block pavement, structural steel, reinforcing steel, excavation, concrete piles, structural concrete. Owners taking bids, due August 3rd at 11 A. M. (Standard Time). Deposit of \$10.00 required. Certified check 10% of bid.

Residence, Margate City, N. J. Architect, Joseph F. Lowery, Land Title Building, Philadelphia. Owner, Arthur Hirst, 1328 Chestnut street, Philadelphia. Hollow tile, stucco, 2½ stories, 29x60 feet, Spanish tile roof, hardwood floors, hot water heat, tile work, electric light. Plans in progress.

Store and Apartment, Roebling, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owner, Augustine Petrus, Roebling, N. J. Brick and frame, two stories, 25x76 feet, slag roof, pine floors, hot water heat, electric light, plate glass, copper work. Plans in progress.

Church and Sunday School, Ventnor, N. J. Architect, J. V. Mathis, Guarantee Trust Building, Atlantic City, N. J. Owners, Trinity M. P. Church, Rev. G. D. Jones, 7 Melbourne avenue, Ventnor, N. J. Stone, one story, 60x96 feet. Plans in progress.

Reception Building and Infirmary, Trenton, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, State Home for Boys, Trenton, N. J. Brick, steel, concrete. Plans in progress.

Convalescent Building, Nurses' Home and Doctors' Residence, Trenton, N. J. Architect, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, State Hospital, Trenton, N. J. Brick, steel, concrete, two and three stories, various sizes. Plans in progress.

Stores and Residences (8), Clementon Road and Black Horse Pike, Runnemede, N. J. Architect, private plans. Owner, Herman Odlen, Clay street and White Horse Pike, West Collingswood, N. J. Brick, two stories, slag roof, pine and cement floors, hot water heat, electric light. Plans in progress.

Residence, King's Highway, Haddon Heights, N. J. Architect, Carl P. Berger, 1512 Walnut street, Philadelphia. Owner, Hon. Ralph W. E. Donges, 711 Cooper street, Camden, N. J. Stone, 2½ stories, 38x80 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Architect taking bids, due July 27th.

Office Store and Bank Building, Broadway and Market street, Camden, N. J. Architects, Hoffman, Henon Co., Finance Building, Philadelphia. Owner, Wm. J. Kelly, 621 Market street, Camden, N. J. Steel, brick, limestone, 10 stories, 19x180 feet, slag roof, concrete floors, elevators, steam heat, electric light, tile and marble work. Plans finished. Owner and architects ready for bids.

Apartment House (alts. and add.), Princeton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owner, Irving Moore, Princeton, N. J. Frame, three stories, 25x30 feet, slate roof, hardwood floors, electric light, general interior alterations. Owner taking sub-bids.

Show Room and Offices, Haddon avenue and Park Boulevard, Camden, N. J. Architect, private plans. Owner, Herman Odlen, Clay street and White Horse Pike, West Collings-

wood, N. J. Brick, steel, two stories, 30x96 feet, slag roof, maple floors, hot water heat, electric light. Owner ready for sub-bids.

Moving Picture Theatre, Stores (4), Offices and Dance Hall, Mt. Holly, N. J. Architect, private plans. Owner, Herman Odlen, Clay and White Horse Pike, West Collingswood, N. J. Brick, stone, three stories, 33x75 feet, slag roof, maple floors, metal ceilings, iron stairs, hot water heat, electric light. Owner, builder, ready for sub-bids.

Garages (20), Public Garages (2), Show Rooms (2) and Gasoline Station, White Horse Pike, Oaklyn, N. J. Architect, private plans. Owner, Herman Odlen, West Collingswood, N. J. Brick, concrete block, one story, 100x350 feet, slag roof, cement floors, steam heat, electric light, hollow metal sash. Owner, builder, ready for sub-bids.

Hospital, Atlantic City, N. J. Architects, H. A. Stout & J. V. Mathis, Guarantee Trust Building, Atlantic City, N. J. Owners, Atlantic City Hospital, J. Moore, Chairman, Atlantic City, N. J. Fireproof, four stories, 40x165 feet, slag roof, composition and tile floors, hollow tile, elevators, roof ventilators, waterproofing, dampproofing, iron stairs, tile and marble, metal lath, steam heat, electric light. Will take bids in about one week.

Apartment and Store (alts. and add.), Atlantic and Montpelier avenues, Atlantic City, N. J. Architect, W. S. Hewitt, Guarantee Trust Building, Atlantic City, N. J. Owner, J. G. Brigadell, on premises. Brick, steel, three stories, 113x15 feet, slag roof, pine floors, hot water heat, electric light, metal lath, tile and marble. Owner will take bids.

Residence, Ventnor, N. J. Architect, D. A. Rosenstein, Humphrey Building, Atlantic City, N. J. Owner, J. F. O'Neill, care of architect. Hollow tile, stucco, 2½ stories, 26x43 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Owner will take bids.

Residence, Little Rock avenue, Atlantic City, N. J. Architect, D. A. Rosenstein, Humphrey Building, Atlantic City, N. J. Owner, Samuel Dolinsky, 2 North Vermont avenue, Atlantic City, N. J. Hollow tile, stucco, two stories, 26x43 feet, tile roof, hardwood floors, hot water heat, electric light, tile work. Owner will build.

Bungalow, Absecon, N. J. Architect, W. S. Hewitt, Guarantee Trust Building, Atlantic City, N. J. Owner, I. N. Nielson, Pleasantville, N. J. Frame, stucco, cement block, 1½ stories, 26x30 feet, asbestos shingle roof, pine floors, hot water heat, electric light. Owner will build.

High School, Gloucester, N. J., \$300,000. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Board of Education, Gloucester, N. J. Brick, stone, steel, composition roof, steam heat, electric light. Preliminary plans in progress.

Dormitory, Princeton, N. J. Architects, Day & Klauder, Franklin Bank Building, Philadelphia. Owners, Princeton University, Princeton, N. J. Stone, steam heat, slate roof. Details undecided. Plans in progress.

Recitation Building, State College for Women, New Brunswick, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, State College for Women, Burdette G. Lewis, Com., Trenton, N. J. Reinforced concrete, brick, stone, steel, 2½ stories and basement, 157x76 feet, tile, green slate roof, cement, rubber tile and maple floors, hollow tile, roof ventilators, shoring, dampproofing, ornamental iron work, iron stairs, floor hardener, bond, kalamein doors, steel skylights and sash, marble work, metal lath (plumbing, heating and electric separate bids), membrane waterproofing, mastic flooring, limestone, granite. Architects taking bids, due July 27th at 1 P. M. (Standard Time). Certified check 5% of bid.

Public School, Margate City, N. J. Architect, Vivian B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owners, Board of Education of Margate City, N. J. Brick, cut stone, steel, reinforced concrete, two stories and ground floor, 124x121 feet (plumbing, heating, electric, mechanical equipment separate), slag roof, mineral and pine floors, painting, glazing, roof vents, waterproofing, dampproofing, architectural terra cotta, bond, ornamental iron work, metal lath, tile and marble work, bluestone, integral waterproofing, ornamental plaster. Owner taking bids, due July 29th 8 P. M.

Salesroom, Wright and Newton avenues, Camden, N. J. Architects, Fletcher & Thompson, Inc., Bridgeport, Conn, also New York City. Owners, Camden Realty Co., Camden, N. J. Brick, concrete, steel, one story and two stories, 168x120 feet, slag roof, cement floors, painting and glazing, roof vents, metal lath, rolled steel sash, pre cast concrete (plumbing, heating and electric separate). Architects taking bids, due July 31st.

Manse (alts. and add.), Haddonfield, N. J. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, First Presbyterian Church, Haddonfield, N. J. Hollow terra cotta, stucco, one story, 16x13 feet, wing 14x12 feet, slate roof, concrete work, stone work, cut stone, brick, slate roof (match present), carpentry and millwork, pine and oak floors, painting, glazing, plastering, hardware, tile work, plumbing, brass pipe, wrought iron pipe, electric work, heating (alts.). Architects taking bids, due July 24th.

Residence and Garage No. 6, Atlantic City, N. J. Architect, Wm. F. B. Koelle, Otis Building, Philadelphia. Owners, J. Harper Chadwick Co., Land Title Building, Philadelphia. Brick, frame, stucco, 2½ stories, 34x22 feet, 12x17 feet, asphalt shingle roof, hardwood floors, electric light, tile work. Architect taking bids, due July 23rd.

Bridges (2), New Jersey. Owners, State Highway Commission, A. Lee Grover, Secretary, Broad Street Bank Building, Trenton, N. J. Concrete, concrete abutments, timber piling, State Highway Route No. 4, Section 30, Ocean County. (1) at M. P. 26.2 over Cedar Creek with clear span of 10 feet. (2) at M. P. 27.5 over Mill Creek with clear span of 30 feet. Owners taking bids, due July 27th at 11 A. M. (Standard Time). Deposit of \$10.00. Certified check 10% of bid.

New Auditorium, Haddon Heights, N. J. Architect, Henry C. Pelton, 151 West Forty-second street, New York City. Owners, St. Rose Parochial School, Haddon Heights, N. J. Stone, steel, one story and basement and balcony, 92x56 feet (cut stone, architectural terra cotta, waterproofing, dampproofing reserved), steam heat, electric light, metal lath, asbestos built up roof, maple floors, metal ceilings. Architect taking bids, due August 1st.

Church (alts.), Camden, N. J. Architect, Arthur B. Gill, 328 Market street, Camden, N. J. Owners, Centenary Tabernacle Methodist Episcopal Church, Camden, N. J. Concrete work, trusecon waterproofing, brick work, stone work, carpentry and millwork, plastering, stair work, metal lath, hardware, painting, glazing, electric work, tile and marble work, metal covered doors, steel work. Architect taking bids, due July 23rd.

Siding, Curbing and Fencing, Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, City of Trenton, Department of Public Works, Trenton, N. J. Siding, curbing and fencing for garage and stable. Will be ready for bids about July 24th.

Residences (2), 450-52 North Thirty-fourth street, Camden, N. J., \$7,800. Architect, private plans. Owner, Russell H. Post, 411 N. Thirty-fourth street, Camden, N. J. Frame

and stucco, two stories, 14 feet 4 inchesx38 feet, asphalt shingle roof, hot water heat, electric light. Owner will build.

Residence, 2730 Pierce avenue, Camden, N. J., \$3,000. Architect, private plans. Owner, Morris D. Gehrot, 2738 Pierce avenue, Camden, N. J. Frame, two stories, 16x45 feet, slag roof, pine floors, hot air heat, electric light. Owner will build.

Alfred Reed School (add.), Prospect Heights, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, Ewing Township School Board, Trenton, N. J. Brick, steel, one story, 40x120 feet (heating, plumbing, electric separate). Will take revised bids about July 27th.

School (add.), Trenton Junction, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, Ewing Township School Board, Trenton, N. J. Brick, steel, one story, 40x120 feet (heating, plumbing, electric separate). Will take revised bids about July 27th.

ACORN TILE COMPANY

Tile Work

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CLEMENTON, N. J.

Mosaic Ceramic and Quarry
Tile Floors

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BUILDERS SUPPLIES

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CAMDEN, N. J.

BELL PHONE, CAMDEN 3827 W

New Jersey Contracts Awarded

Residence, 298 Burwood avenue, Camden, N. J., \$4,850. Architect, private plans. Owner, John Potter, Camden, N. J. Block and stucco, 1½ stories, 27 feet 6 inchesx34 feet 10 inches, slate surface roof, hot water heat, electric light. Contract awarded to Heller Bros., 1015 North Thirty-fifth street, Camden, N. J.

Garage and Stable, Barclay and Jefferson streets, Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, City of Trenton, Department of Public Works, Trenton, N. J. Brick, steel, concrete, two stories, 125x125 feet, slag roof, concrete floors, elevators, roof ventilators, water and dampproofing. Contract awarded to W. C. Ehret, 13 West State street, Trenton, N. J.

School, Brookfield, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, Ewing Township School Board, Trenton, N. J. Brick, steel, one story, 40x120 feet, maple floors, hollow tile, safety treads, metal ceilings, iron stairs, tile, metal lath (heating, plumbing and electric separate). Contract awarded to H. Hilton, Trenton, N. J., \$19,600. Heating and ventilating, Mechanical Equipment Co., 214 South 12th street, Philadelphia, \$2,729. Plumbing, Chas. Whelan, 1126 South Broad street, Trenton, N. J., \$1,001. Electric, Mercer Electric Co., 25 North Montgomery street, Trenton, N. J., \$308.

Hotel, Asbury Park, N. J. Architect, C. B. Cook, Asbury Park Trust Building, Asbury Park, N. J. Owners, care of J. Goldberg, 651 Cookman avenue, Asbury Park, N. J. Brick, 8 stories, 66x125 feet, slag roof, hardwood, pine, cement floors, steam heat, electric light, tile work. Contract awarded to Russell Applegate, Asbury Park, N. J., who is taking sub-bids.

Bank (alts. and add.), Virginia and Atlantic avenues, Atlantic City, N. J. Architect, Charles H. Adams, Chelsea Bank Building, Atlantic City, N. J. Owners, Atlantic County Trust Co., Atlantic City, N. J. General alterations and additions. Contract awarded to A. B. Bowen, 1 South Delancey street, Atlantic City, N. J.

Pier, Rest Pavilion and Fish Pavilion, Brigantine Beach, N. J. Architect, J. V. Mathis, Guarantee Trust Building, Atlantic City, N. J. Owners, Central Brigantine Beach Co., Brigantine Beach, N. J. Frame, one story, 85x102 feet, 20x30 feet and 20x30 feet, slate roof, pine floors, electric lighting. Contract awarded to J. Ingersol, Atlantic City, N. J.

Apartment House, Chalfonte avenue, Atlantic City, N. J. Architect, J. V. Mathis, Guarantee Trust Building, Atlantic City, N. J. Owners, Chalfonte Hotel, North Carolina avenue and Beach, Atlantic City, N. J. Fireproof, three stories, 59x45 feet, slag roof, pine floors, hot water heat, electric light, tile work. Contract awarded to J. Mathis & Son, Guarantee Trust Building, Atlantic City, N. J.

Bridge, Aurora, N. J. Architect, A. C. Shand, Broad Street Station, Philadelphia. Owners, Pennsylvania R. R., R. Farnum, Broad Street Station, Philadelphia. Steel. Contract awarded to P. J. Foley Co., 424 Fourth avenue, Pittsburgh, Pa.

Residences (20), 1100-26 and 1105-15 North Eighteenth street, Camden, N. J., \$90,000. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, Hyman Shifren, 2214 S. Sixty-sixth street, Philadelphia. Brick and block, two stories, 15x36 feet, slag roof, hot water heat, electric light, hardwood and pine floors. Contract awarded to Philip Altshuler, 345 Wolf street, Philadelphia.

Miscellaneous Construction News

Ice Piles, Delaware Bay, Del. Engineer, U. S. Engineer, 1505 Race street, Philadelphia. Owner, U. S. Government, Washington, D. C. Owner taking bids, due August 3rd.

Road Work, Delaware. Owners, State Highway Department, Dover, Del. Owners taking bids, due August 5th at 2 P. M. Certified check for 10% required. \$10.00 deposit (refunded).

Contract CK11, Blackiston Cross Roads, Clayton, 3.732 miles. Excavation, borrow, cement, concrete pavement, metal point, Class A concrete, reinforcement, corrugated metal pipe, R. C. pipe, wire cable guard rail, wood shoulder curb.

Contract CK 29, Thompsonville-DuPont Road, 3.95 miles. Clearing, grubbing, excavation, borrow, broken stone base course, cement, concrete pavement, longitudinal metal joint, Class A concrete, reinforcement, corrugated metal pipe, R. C. pipe, wire cable guard rail, wood shoulder curb.

Contract 55, White Oak Road, 1 miles. Clearing, grubbing, excavation, borrow, broken slag base course, corrugated metal pipe.

Miscellaneous Contracts Awarded

Church, Tulsa, Okla. Architects, C. W. Bolton & Son, Schaff Building, Philadelphia. Owners, First M. E. Church, Tulsa, Okla. Contract awarded to Morrow & Son, Tulsa, Okla.

Bank, Forest Hill, Md. Architect, J. B. Hamme, City Bank Building, York, Pa. Owners, Forest Hill State Bank, Dr. C. Warner, Forest Hill, Md. Cinder block, stucco, one story, 45x26 feet, built-up roof, pine floors, steam heat, electric light, metal window guards, vault. Contract awarded to Benson Stambaugh, Dover, Del.

Proposal

SESQUI-CENTENNIAL EXHIBITION ASSOCIATION

Headquarters, 5th and Chestnut Sts.
Philadelphia, Pa.

Sealed proposals are invited and will be received at the office until Friday, July 31, 1925, at 10 A. M., Eastern Standard time (11 A. M., Daylight Saving time), for the following work: For the construction of an Exhibits Building of the Sesqui-Centennial Exhibition Association, at League Island Park, Philadelphia, Pa., in accordance with the contractor's own design and plans. For further information as to floor plan, site, etc., apply at Headquarters, 5th and Chestnut Streets, Philadelphia, Pa.

D. C. COLLIER, Director General.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., July 17, 1925. Sealed Proposals will be opened in this office at 3 P. M., August 18, 1925, for remodeling and enlarging the U. S. Post Office at Pottsville, Pa. Drawings and specifications may be obtained from the Custodian at Pottsville, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

ADVERTISEMENT FOR WORK ON THE GROUNDS OF THE CAMDEN COUNTY TUBERCULOSIS HOSPITAL, ASYLA, N. J.

Public notice is hereby given that sealed Proposals for furnishing labor and materials for Work as hereafter described on the grounds of the Camden County Tuberculosis Hospital near Asyla, New Jersey, will be received and opened by the Chairman of the Committee on Tuberculosis Hospital in the meeting room of the Board of Chosen Freeholders, in the Court House, Camden, New Jersey, on the 31st day of July, 1925, at two o'clock P. M. Daylight Saving Time (1 P. M. Standard Time).

The work for which proposals are hereby invited covers:

1st—The Incinerator and Incinerator Building.

2nd—The grading, top-soiling, construction of tar bound macadam roads, cement walks, or macadam walks, concrete gutters and curbing, cobble gutters, and surface water drainage where shown.

Bids will be received for the work as follows:

1st—For Incinerator and Incinerator Building.

2nd—For grading, roads, paths, etc., as above.

The right is reserved to accept or reject any or all proposals or to waive any informality in any proposal presented. All bids must be in sealed envelopes endorsed "Proposal for Work at the Camden County Tuberculosis Hospital." No bid will be considered unless accompanied by a certified check to the order of the County of Camden, or cash in the amount of 10% of the bid, and also a statement from a Surety Company that it will provide the Contractor with a bond, in the full amount of the contract, binding the bidder to execute a contract if awarded to him. The terms of the proposal with surety required are fixed by the specifications.

Copies of the drawings and specifications will be on file at the office of the architect for the purpose of estimating. A limited number of copies of the plans and specifications will be loaned to the prospective bidders on deposit of a certified check to the architect's order in the sum of (\$25.00) Twenty-five Dollars. These plans and specifications may be obtained by application to Arnold H. Moses, A. I. A. Architect, Temple Building, Camden, N. J.

If plans and specifications are returned and an estimate submitted the check will be returned, but should they not be returned, nor an estimate submitted, the deposit may become forfeited.

County of Camden, a Municipal Corporation of New Jersey by the Committee of the Board of Chosen Freeholders on Tuberculosis Hospital.

GEORGE R. PELOUZE, Chairman.

ARNOLD H. MOSES, A. I. A.,
Architect.

There is not a business one can think of, which is not full of little temples where one can curse or pray. Every business that one knows has its host of light in it, fighting against its host of darkness; one set of men conducting the business as if they and the public were engaged in a sort of mutual enthusiasm and daily service, with permanent success as the goal; and another set of men whose success is ruining the business to which they belong, and the public besides—and themselves.

Reference Directory for Architects, Builders and Owners

ARTESIAN WELLS.

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS AND ARCHITECTS' SUPPLIES.

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

ASPHALT CONSTRUCTION.

Rulon, Ralph V.239 N. 30th St., Phila.

BLUE PRINTS.

Blue Print Shop.1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

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Weil, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS.

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

BRICK.

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.

BRICK (Face, Common, Paving).

Holloway Corporation.105-107 S. Third St., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS.

Mitchell Bros.2125 Race St., Phila.

BUILDING NEWS.

Daily Building News.Perry Bldg., Phila.

BUILDERS' SUPPLIES.

The Van Seiver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT.

The Van Seiver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK.

D'Lauro, John55 E. Mermaid Lane, Phila.
Massiah, Frederick. Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

COLUMNS (Metal).

Pearce Fireproof Co.1911 N. 2nd St., Phila.

COMPOSITION FLOORING.

Penna. Flooring & Woodoleum Mfg. Co.,
34 S. 17th St., Phila.

CONCRETE WORK.

Massiah, Frederick. Juniper and Cypress Sts., Phila.

CONTRACT BONDS.

Patton, Edward W.400 Lincoln Bldg., Phila.

CONTRACTOR'S EQUIPMENT

Lee T. Ward Co.617 Filbert St., Phila.

CORK FLOORING

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

CURTIS WOODWORK.

Hillingham Co.Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS.

Building News Pub. Co.Perry Bldg., Phila.

DAMP-PROOFING.

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger.829 N. 3rd St., Phila.
Concrete Waterproof Paint Co.829 N. 3rd St., Phila.

Master Builders' Co.,
Room 601, 1524 Chestnut St., Phila.

DRAWING MATERIALS.

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
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Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XL, No. 30
July 29, 1925

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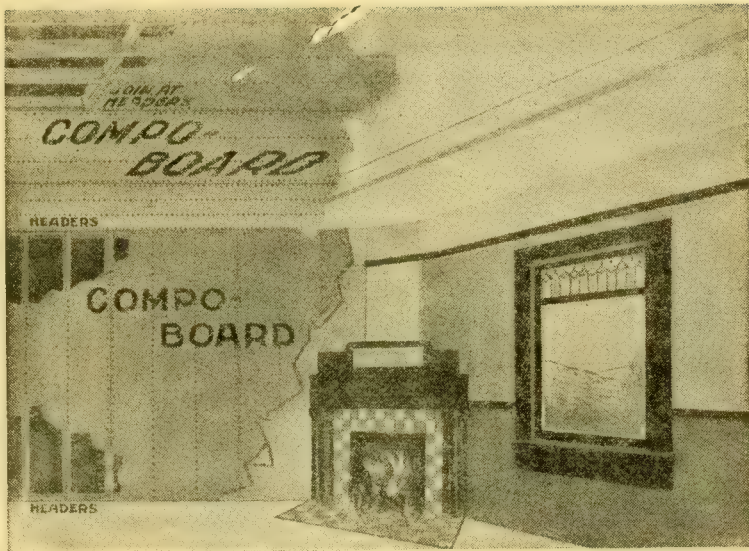
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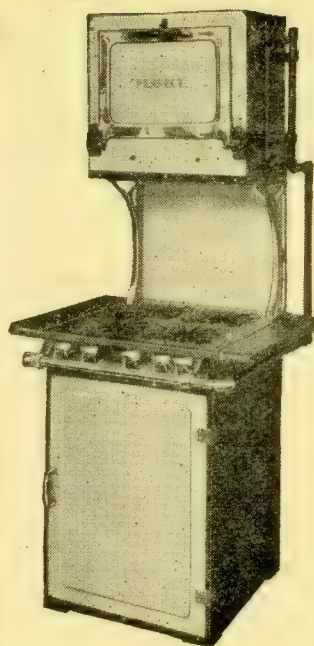
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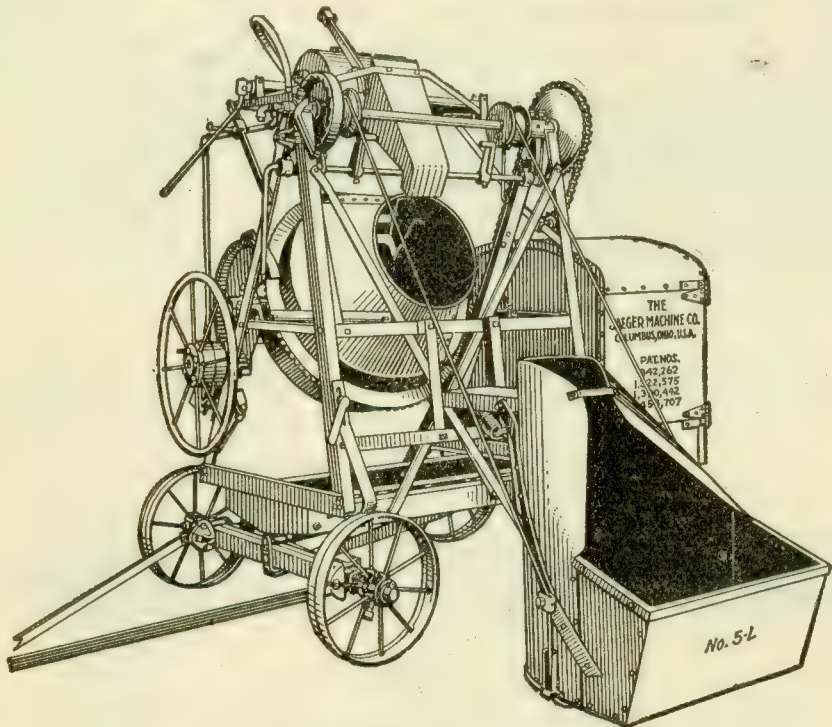
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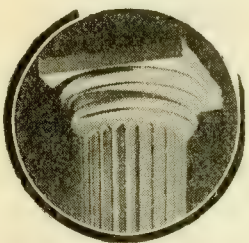
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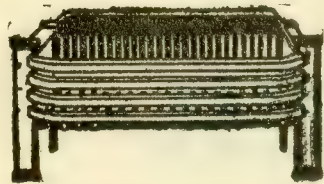
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XL
Number 30

PHILADELPHIA
July 29, 1925

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

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Advance Construction News

CONTEMPLATED CONSTRUCTION: ARCHITECTS AND OWNERS; COST LIMIT: LAST DAYS FOR FILING BIDS;
CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED: ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Exhibition Building, League Island Park, Philadelphia, \$1,500,000. Architect, Wm. Lee Woollett, San Francisco, Cal. Owners, Sesqui-Centennial Exposition, care of Col. D. C. Collier, Fifth and Chestnut streets, Philadelphia, and the States of Oregon, Washington and California. Plans in progress. Details undecided. Owners will take bids.

Store Building, Southwest Corner Fifty-second and Chestnut streets, Philadelphia. Architect, Harold Holmes, care of S. Kresge Co., Detroit, Mich. Owners, S. S. Kresge Co., care of H. H. Service, Detroit, Mich. Brick, steel, granite. Plans in progress.

Residences (34), Apartments (6), Stores (6) and Garages, Huntingdon Park avenue and Donath street, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, E. T. Mervish, Fifty-seventh and Chestnut streets, Philadelphia. Brick, 2 story residence, garage, 1 story, 60x310 feet. Work contemplated.

Residences (150), Rockland and Nineteenth streets, Philadelphia, \$5,900 each. Architect, private plans. Owner, George Schwinn, Scattergood and Hawthorne streets, Philadelphia. Brick, 2 stories, hot water heat, electric light, tile work, slag roof, pine floors. Plans in progress.

Residences (125), Silvester, Horrocks, Cheltenham avenue, Philadelphia. Architect, private plans. Owners, P. J. and T. P. McFarland, 2409 East Allegheny avenue, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Hotel St. James (alts.), Thirteenth and Walnut streets, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Louis H. Cahan, Bankers' Trust Building, Philadelphia. General interior alterations. Plans in progress.

Residence Operation, Vankirk and Roosevelt Boulevard, Philadelphia. Architect, private plans. Owner, George R. Osborne, 5014 Saul street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Exact number undetermined. Plans in progress.

Residence Operation, Horrocks street and Boulevard, Philadelphia. Architect, private plans. Owner, H. Roy Whittaker, Castor road and Allegheny avenue, Philadelphia. Brick, 2 stories, hot water heat, electric light, tile work, slag roof, hardware. Number undetermined. Plans in progress.

Residences (76), on a new street between Horrocks to Large street, Philadelphia (one block from Cheltenham). Architect, private plans. Owner, George Edel, Bridge and Castor road, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Residence Operation, Sixty-fifth street and Elmwood avenue, Philadelphia. Architect, private plans. Owner, I. Milgrim, 205 South Fifteenth street, Philadelphia. Brick, 2 stories. Details undecided. Work contemplated.

Office Building, Oxford pike and Frankford avenue, Philadelphia, \$100,000. Architect, private plans. Owner, Matthew J. Best, 5525 Miriam road, Philadelphia. Details undecided. Work contemplated.

Residences (115), Colgate street and Cheltenham street, Philadelphia. Architect, private plans. Owner, Joseph B. Friedman, 4831 North Twelfth street, Philadelphia. Brick, 2 stories, 15x33 feet, hot water heat, electric light, slag roof, hardwood floors. Plans in progress.

Residences (30), Granite and Marcello streets, Philadelphia. Architect, private plans. Owner, Matthew J. Best, 5525 Miriam street,

Philadelphia. Brick, 2 stories, 16x30 feet, hot water heat, electric light, slag roof, hardwood floors. Plans in progress. Will take bids in one month.

School Club House and Auditorium, Seventy-second and Woodland avenue, Philadelphia. Architect, Peter F. Getz, Victory Building, Philadelphia. Owners, St. Clement's Roman Catholic Church, care of Rev. F. P. Dougherty, 7104 Woodland avenue, Philadelphia. Stone, 2 stories and basement and sub-basement, 24 class rooms, auditorium for 1,500. Preliminary plans in progress. Architect will take bids in two months.

Apartment House (25 apartments), 2206 North Fifty-second street, Philadelphia. Architect, Herman H. Kline, Bulletin Building, Philadelphia. Owner, Morris Rutberg, 708 South Fourth street, Philadelphia. Brick, steel, terra cotta trim, 4 stories, 44x140 feet, slag roof, hardwood floors, elevators, incinerators, steam heat, electric light, metal lath, tile and marble work. Plans about completed. Architect will take bids in one week.

Residence, Roxborough, Philadelphia. Architect, Edgar F. Ott, 4259 North Seventh street, Philadelphia. Owner, Earl R. Lakin, 4421 Dexter street, Philadelphia. Concrete block, stucco, 2½ stories, 23x37 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress. Architect will take bids in 10 days.

Stores (4), Apartments (21) (alts. and add.), Northwest Corner Thirty-sixth and Chestnut. Architect, Joseph Margolis, 1505 Race street, Philadelphia. Owner, Joseph Rabinowitz, 3641 Chestnut street, Philadelphia. Brick, steel, stucco, limestone, 4 stories, 45x100 feet, slag and tin roof, cement and hardwood floors, steam heat, electric light, metal lath, tile and marble work, mill work, stair work, painting, glazing, metal bulks,

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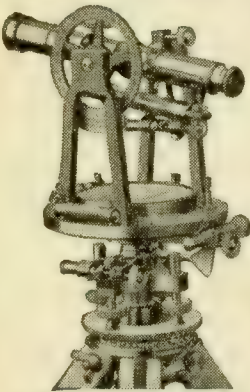
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Residences and Garage (62), Dicks and Massey streets, Philadelphia. Architect, private plans. Owners, Shapiro & Reed, Fifty-seventh and Pentridge streets, Philadelphia. Brick, 2 stories, 16x30 feet, slag roof, hardwood floors, hot water heat, electric light. Owners will build.

Exhibit Building No. 1, Southeast Corner Broad and Packer streets, Philadelphia. City architect, John Molitor, Bankers' Trust Building, Philadelphia. Owners, Sesqui-Centennial Exposition, Fifth and Chestnut streets, Philadelphia. Steel, metal lath, stucco, 1 story, 400x970 feet (plumbing, heating, electric separate bids), slag roof, pine floors, metal lath. Ready for bids in about one week.

Residence Operation, Vankirk, Horrocks and Boulevard streets, Philadelphia. Architect, private plans. Owner, Carl A. Mayer, 4633 Horrocks street, Philadelphia. Brick, 2 stories, hot water heat, electric light, slag roof, hardwood floors. Number undecided.

Swimming Pool, North Philadelphia. Architect, Edwin Schoeppe, 316 South Fifteenth street, Philadelphia. Owner, name withheld. Concrete, 200x200 feet. Plans in progress. Architect will take bids about September 10th.

Residences (60), Elmwood avenue to Gibson, Fifty-sixth to Fifty-seventh streets, Philadelphia. Architect, private plans. Owner, Frank H. Benham, 5213 Chestnut street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, pine floors, hot water heat, electric light. Plans in progress. Owner will sublet.

Office Building, Thirty-second and Market streets, Philadelphia. Architects, Graham, Anderson, Probst & White, Railway Exchange Building, Chicago, Ill. Owners, Pennsylvania Railroad Co., care of A. Shand, Chief Engineer, Broad Street Station, Philadelphia. Brick, steel, limestone, 14 stories, 150x250 feet, slag roof, concrete floors, elevators, steam heat, electric light, tile and marble work. Plans completed. Owners will take bids in 3 weeks.

Storage Building, 3429 North Tenth street, Philadelphia. Architect, Edward Schoeppe, 316 South Fifteenth street, Philadelphia. Owner, William H. Dentzel, 3641 Germantown avenue, Philadelphia. Brick, concrete, 1 story, 20x75 feet, slag roof, concrete floors, electric light, rolled steel sash, fire doors. Architect taking sub-bids.

Residences (125), Stores (12) and Garages, Elmwood avenue, Aredell, Milan and Seventy-fourth streets, Philadelphia, \$471,800. Architect, private plans. Owner, B. Goldstein, 316 Real Estate Trust Building, Philadelphia. Brick, 2 stories, 16x30 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Owner taking sub-bids.

Hospital Buildings, Thirty-fourth and Pine streets, Philadelphia. Architect, Philip H. Johnson, 1713 Sansom street, Philadelphia. Owners, Department of Public Property, Bureau of Health and Charities, Dr. W. G. Krusen, City Hall. Brick, cut stone, concrete, steel (plumbing, heating, electric separate), asbestos built-up roof, cement, oak and pine floors, hollow tile, elevators, roof ventilators,

metal window guards, shoring, dampproofing, ornamental terra cotta, ornamental iron work, steel stairs, bond, hollow metal sash, rolled steel skylights, tile, marble and terrazzo work, metal lath, bronze doors, brass pipe, electric, dumb waiters, travertine finish, granite, limestone, Hydrex waterproofing, ornamental iron fence, bronze grills, medium and narcotic closets, steel partitions, equipment for dental clinic, ornamental plaster, acoustical treatments, metal cornice beads, steel vault doors, casement windows. Clinic, ground floor and 1 story, 93x142 feet, Wards A to G, 4 stories and basement, 120x45 feet, 55x80 feet, 24x69 feet. Omit Administration Building. Owners taking bids due July 31st.

Repairs to Floors, Post Office Building, Ninth and Market streets, Philadelphia. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, Office of the Custodian United States Post Office, Ninth and Market, B. D. McCaughn, Custodian. Maple floors, steel plates. Certified check 10 per cent. of bid. Owners taking bids due August 3rd, 2 P. M.

Apartment House, 1937 Girard avenue, Philadelphia. Architect, Samuel Abramson, 2315 Walnut street, Philadelphia. Owner, C. W. Butler, 1929 Girard avenue, Philadelphia. Brick, 3 stories, 20x70 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Architect taking bids due as soon as possible.

Pumping Station Building (alts.), Rising Sun avenue, Philadelphia (Thirty-fifth Ward). Owners, City of Philadelphia, Department of Public Property, 216 City Hall. Owners taking bids due July 30th, 11 A. M. (Standard Time). General construction, Wentz Farm Pumping Station Building, heating, water supply, plumbing, drainage work. Certified check 5 per cent. of amount of bid required. For information inquire Room 117, City Hall.

Public Garage, Store and Storage Building, South side Federal, East of Seventh street, Philadelphia. Architect, John E. Sindoni, 2001 Norwood street, Philadelphia. Owners, Girard Brothers, Seventh and Federal streets, Philadelphia. Brick, steel, 1 story and 2 stories, 152x48 feet, slag roof, maple, cement and oak floors, electric light, tile work, rolled steel doors, bond, ornamental iron work, metal ceilings. Owners taking bids due July 30th.

Swimming Pool, Chestnut Hill, Pa. Architects, Mellor, Meigs & Howe, 205 South Juniper street, Philadelphia. Owner, E. N. Benson, Jr., Chestnut Hill, Pa. Architects taking bids.

Show Room and Garage, Farragut Terrace and Walnut street, Philadelphia. Architects, Stackhouse & Donohoe, 1120 Locust street, Philadelphia. Owner, John P. Donohoe, 5400 Market street, Philadelphia. Brick, steel, 1 story, 115x25 feet (heating reserved), electric light, slag roof, cement floors, plumbing, metal bulks, wrought iron pipe. Architects taking bids due July 30th.

Construction of Bulk Head, with appurtenant Work, Chestnut street, Schuylkill River, East Side, Philadelphia. Owners, Department of Wharves, Docks and Ferries, 4 South

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Wharves, Philadelphia. Low bidder: J. H. Terry Co., Drexel Building, Philadelphia, \$10,370.

Library, Nineteenth, Twentieth, Vine to Wood streets, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, City of Philadelphia, care of Librarian, John Ashburst, Thirteenth and Locust streets. Low bidders: F. W. Mark Const. Co., Commercial Trust Building, \$2,417,241; Irwin & Leighton, 126 North Twelfth street, Philadelphia, \$2,470,200.

Residences (48), Packer street, Fifteenth to Eighteenth, Philadelphia, \$234,000. **Residences (10)**, Packer street, West of Eighteenth street, Philadelphia, \$46,500. Architect, private plans. Owners, Pompey & Ansell, 6503 Race street, Philadelphia. Brick, 2 stories, (45) 15x30 feet, 12x9 feet, (12) 15x40 feet, and (1) 16x40 feet, slag roof, electric lighting, pine floors. Owners will build.

Residence, South side Faunce street, West of Lawndale street, Philadelphia, \$5,000. Architect, private plans. Owner, A. Steinbaum, 7500 Bingham street, Philadelphia. Frame, 2 stories, 16x36 feet, shingle roof, hardwood and pine floors, electric lighting. Owner will build.

Garage (alts. and add.), 215 North Spangler street, Philadelphia, \$4,000. Architect, John J. Carroll, 1619 Chestnut street, Philadelphia. Owner, Ralph W. Fischer, on premises. Reinforced concrete and stucco, 1 story, 33 feet 6 inches x 64 feet 4 inches, slag roof, cement floors, steam heat, electric light. Owner will build.

Residences (twin) (5), Wellsley road, north of McCallum street, Philadelphia. Architect, private plans. Owners, Carson Brothers, 5601 Germantown avenue, Philadelphia. Stone, 2½ stories, 25x45 feet, hot water heat, electric light, tile work, slate roof, oak and pine floors. Owners will build.

Residence (add. and alt.), 540-42 North Fifty-second street, \$10,000. Architect, private plans. Owner, Joseph Scroder, on premises. Brick, second and third stories addition, 32x28 feet, general alterations. Owner will build.

Residences (4), West side Reach street, North Cheltenham avenue, \$5,000 each. Architect, private plans. Owner, John Stueg, 1141 South Fifty-fourth street, Philadelphia. Brick and frame, 2 stories, 16x48 feet, hot water, electric light, hardwood and pine floors. Owner will build.

Residence, 5653 Vine street, Philadelphia, \$5,000. Architect, private plans. Owner, A. Bardaro, 5655 Vine street, Philadelphia. Brick, 2 stories, 16x34 feet, 12x11 feet, hot water heat, slag roof, electric light. Owner will build.

Residence (add. and alt.), 5651 Vine street, Philadelphia, \$3,000. Architect, private plans.

Owner, A. Bardaro, 5655 Vine street, Philadelphia. Brick, 2 stories, 16x31 feet, general alterations. Owner will build.

Residences (26), 1500-16, 1522-36 and 1542-58 East Lycoming street, \$118,000. Architect, private plans. Owner, Robert A. McConaghy, 121 North Broad street, Philadelphia. Brick, 2 stories, 16x37 feet, slag roof, hardwood and pine floors, electric lighting. Owner will build.

Residences (42), Cedar Park and Andrews avenues and Middleton street, \$201,600. Architect, private plans. Owners, Datesman & Parker, 5583 York road, Philadelphia. Stone and brick, 2 stories, (6) 17x40 feet, (36) 16x40 feet, hot water heat, electric light, hardwood and pine floors. Owners will build.

Residences (42), Sixty-eighth and Chester avenue, Philadelphia, \$185,600. Architect, private plans. Owner, Henry Swartz, 5026 Kingessing avenue, Philadelphia. Brick, 2 stories, 16x50 feet, 16x40 feet and 16x37 feet, slag roof, hot water heat, electric light. Owner will build.

Residences (24), Hortter, Boyer and Phil-Ellena streets, \$168,000. Architect, private plans. Owner, E. S. Davis, 314 Vernon road, Philadelphia. Stone and cinder block, 2 stories, 24x36 feet, hot water heat, electric light, hardwood and pine floors. Owner will build.

Residences (19), West side Hope street, North of Chew street, \$97,500. Architect, private plans. Owner, Carl Metz, 315 West Rockland street, Philadelphia. Brick, 2 stories, 15x38 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Service Station and Show Room, 6817 York road, Philadelphia, \$42,000. Architect, private plans. Owner, Fred Sbroglia, 6001 Elmwood avenue, Philadelphia. Brick, 1 story, 53 feet 10 inches x 244 feet, slag roof, cement floors, steam heat, electric light. Owner will build.

Residences (2), 4700-02 Manayunk avenue, Philadelphia, \$6,000. Architect, private plans. Owner, Rudolph Bauer, 309 Fountain street, Philadelphia. Brick, 2 stories, 16x51 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (2), 7406-08 Rockwell avenue, Philadelphia, \$4,500 each. Architect, private plans. Owner, Louis Gebhardt, 7039 Rising Sun avenue, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 41 feet, slag roof, hot water heat, electric light, hardwood and pine floors. Owner will build.

Residences (4), North side Fanshawe street, East Bingham, \$4,000 each. Architect, private plans. Owner, Frank A. Adair, 6556 Martins Mill road, Philadelphia. Brick, 2 stories, 15 feet 8 inches x 40 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

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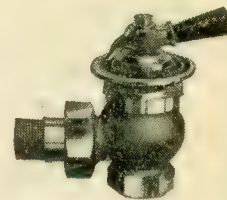
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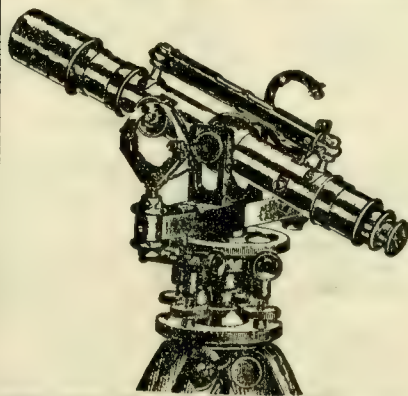
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South of Vernon Road, \$8,500 each. Architect, private plans. Owner, A. J. Deidel, 6339 Germantown avenue, Philadelphia. Concrete block, 2 stories, 16x36 feet, hardwood and pine floors, hot water heat, electric light, tile work. Owner will build.

Residences (4), Tabor road and Cottman and Tabor road and St. Vincent street, Philadelphia. Owner, Charles Freeman, 7323 Claridge street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 40 feet, slag roof, hot water heat, electric light. Owner will build.

Service Station, Southeast Corner Twenty-ninth and Hunting Park avenue, Philadelphia, \$4,500. Architect, private plans. Owners, Atlantic Refining Co., 260 South Broad street, Philadelphia. Tile and terra cotta, brick, 1 story, 12x20 feet, cement work, electric lighting. Owners will build.

Residences (19), East side Howard street, North of Chew street, \$4,500 each. Architect, private plans. Owner, William B. Davenport, 6612 Wayne avenue, Philadelphia. Brick, 2 stories, 15x27 feet 10 inches, 12x10 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (3), 4832-34-36 Tackawanna street, Philadelphia, \$4,000. Architect, private plans. Owners, Buzby & Proppert, 1658 Unity street, Philadelphia. Brick, 2 stories, 16x30 feet, slag roof, pine floors, hot water heat, electric light. Owners will build.

Miscellaneous Work, Philadelphia. Owners, City of Philadelphia, Department of Public Works, Bureau of Highways. Low bidders:

Schedule A—Bingham street, Rhawn to Stanwood street; Dewees Brothers, Fifth and Fisher's avenue, Philadelphia, \$8,853.40. Ditman, Fidler to Grant street; Dewees Brothers, Fifth and Fisher's avenue, Philadelphia, \$13,809.42. Pearce, Orthodox to Duncan street; Garlick Brothers, 2948 East Venango street, Philadelphia, \$2,408.70. Woodland avenue, Seventy-first to Cobb's Creek Boulevard; J. Denmon, care of owner, \$1,232.50. Wissahickon avenue, from Abbottsford road; Root Brothers, Ridge and Righter street, Philadelphia, \$3,113.04. Almond street, Vernango to point 332 feet southwest; Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$15,985.00. Brill street, Darrah street to Charles street; Eastern Asphalt Paving Co., Pennsylvania Building, \$14,525.60. Cloud street, Plum to Meadow street; Barber Asphalt Co., Land Title Building, Philadelphia, \$4,001.80. Gerry street, Sixty-sixth to Eastburn street; Barber Asphalt Co., Land Title Building, Philadelphia, \$3,345.13. Hartell street, Torresdale to Edmund street; Barber Asphalt Paving Co., Land Title Building,

\$7,835.65. Lawrence street, Bristol to Cayuga street; Eastern Paving Co., Pennsylvania Building, Philadelphia, \$6,994.08. Montague street, Comly to Benner street; Barber Asphalt Co., Land Title Building, Philadelphia, \$5,011.02. Sheldon street, Rising Sun avenue to C street; Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$7,371.25. Shelmire street, Torresdale avenue to Edmund street; Barber Asphalt Paving Co., Land Title Building, \$12,796.00. Valette street, Frankford avenue to Coral street; Eastern Asphalt Paving Co., Pennsylvania Building, Philadelphia, \$2,895.10. Wyoming avenue, from Mascher street to D street; Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$61,241.95. Eighteenth street, Windrim avenue to Loudon street; Barber Asphalt Co., Land Title Building, Philadelphia, \$8,793.00. Fifty-eighth street, Lebanon avenue to Woodbine avenue; Barber Asphalt Co., Land Title Building, Philadelphia, \$19,097.40. Sixty-second street, Gibson avenue to Eastwick avenue; Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$9,393.72. Hermit street, Mitchell to Ridge avenue; M. J. McCrudden, Real Estate Trust Building, Philadelphia, \$3,956.25. Market street, Baltimore and Ohio bridge, West side of bridge; Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$15,303.70. Warnock street, Montgomery street to Berks; Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$8,086.08. Brown street, Twenty-third to Twenty-eighth; Municipal Paving Co., 702 Catherine street, \$24,659.65. Race street, Eighth to Parkway; Municipal Paving Co., 702 Catherine street, Philadelphia, \$51,698.40. Third street, Mifflin to Ritner; Municipal Paving Co., 702 Catherine street, \$27,169.10. Tenth street, Fitzwater to 150 feet southward; Municipal Paving Co., 702 Catherine street, \$2,048.75. Nineteenth street, Susquehanna to Huntingdon; United Paving Co., Real Estate Trust Building, \$25,042.16. Furnishing asphalt paving fixtures. Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$25,950.

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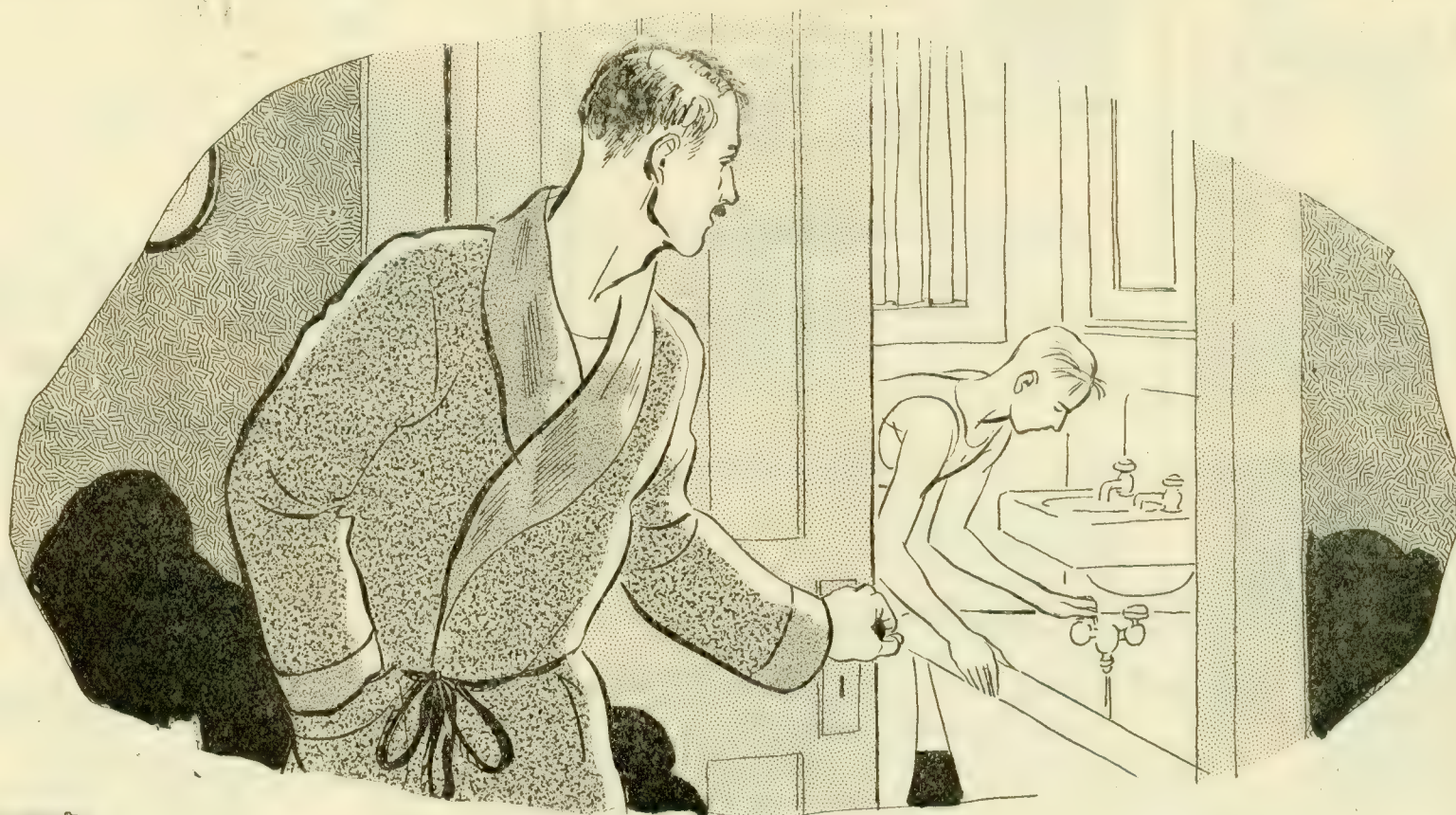
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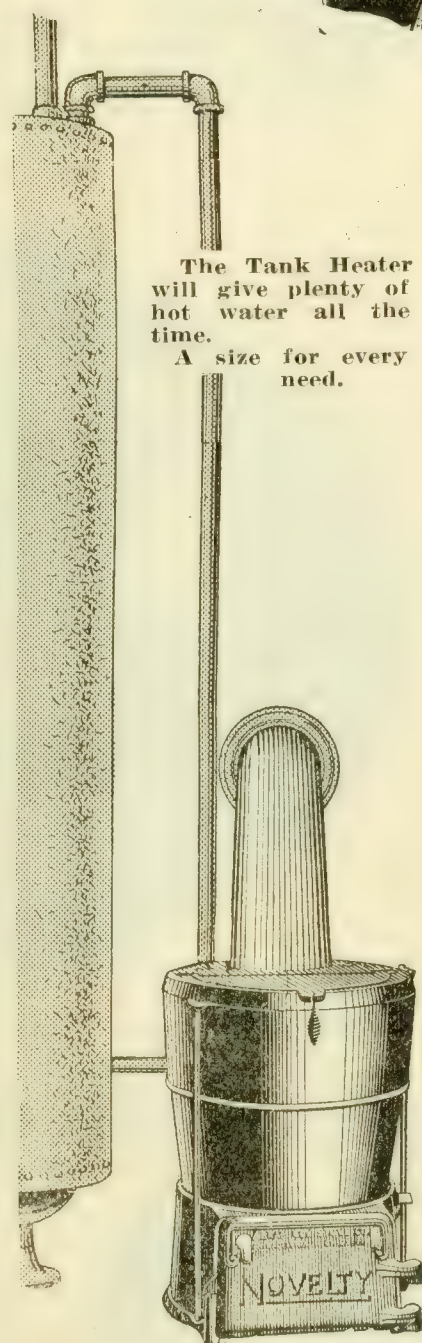
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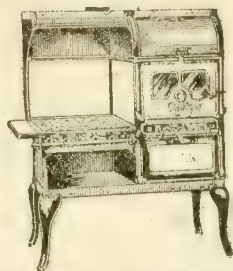
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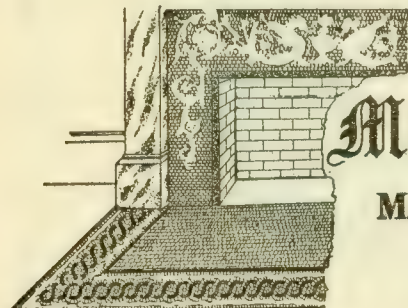


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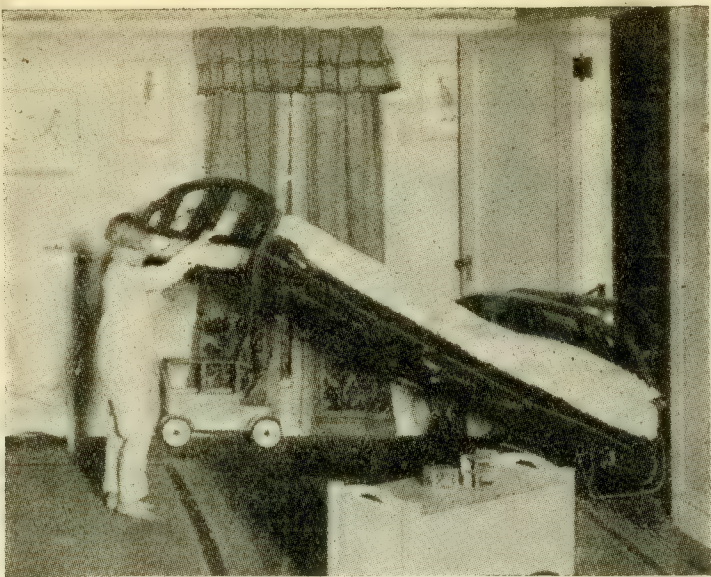
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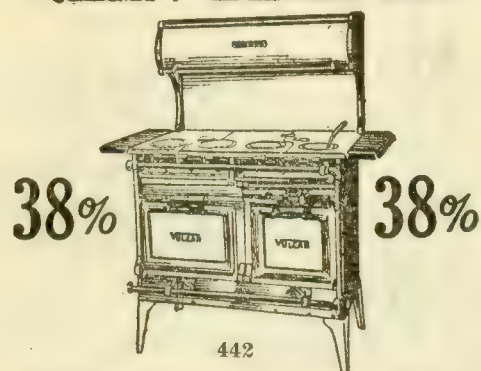
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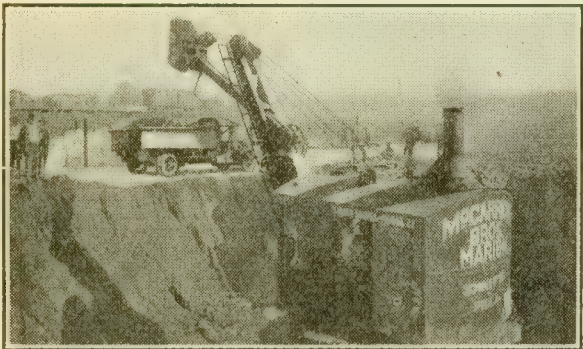


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Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Apartment House, 3711 Chestnut street, Philadelphia. Architect, Clyde S. Adams, 2038 Spruce street, Philadelphia. Owner, Howard Schermerhorn, care of builder. Reinforced concrete, brick, steel, limestone, cut stone, 4 stories and basement, 37x28 feet, slag roof, cement and oak floors, steam heat, electric light, metal lath, tile and marble work, galvanized iron skylights, hollow metal doors, ornamental iron work, composition floors, plumbing, wrought iron pipe. Contract awarded John P. Hallahan, 2315 Walnut street, Philadelphia.

Administration Building, Moyamensing avenue, Oregon and South Broad street, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Sesqui-Centennial International Exposition, Fifth and Chestnut streets. Metal lath, stucco, steel, 2 stories, 200x40 feet, wing 16x42 feet, kypsum asphalt roof, composition and cement floors, metal lath, rolled steel sash, bond, ornamental iron work (plumbing, heating and electric separate), metal toilet partitions, dumb waiter, integral waterproofing. Contract awarded David Lutz Co., Twenty-third and Chestnut streets, \$58,700.

Fraternity House, 3703-05 Locust street, Philadelphia. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owners, Kappa Nu Fraternity, 3703 Locust street, Philadelphia. Brick, cut stone, steel, granite, limestone, 4 stories and basement, 91x35 feet, slag roof, cement and oak floors, steam heat, electric light, metal doors, bond, ornamental iron work, steel casements, rubber tile floors, ornamental plaster, oil burner, art caen stone, wrought iron pipe. Contract awarded Arcade Const. Co., Finance Building, Philadelphia.

Garage, 912-16 North Fifth street, Philadelphia, \$100,000. Architect, not selected. Owner, Joseph A. Brady, 136 South Fourth street, Philadelphia. Steel, concrete, 2 stories, 95x145 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash. Contract awarded to McCloskey Co., 1620 Thompson street, Philadelphia.

Bank (alts. and add.), 5222-24 Germantown avenue, Philadelphia. Architects, Furness & Evans, 315 South Fifteenth street, Philadelphia. Owners, Queen Lane National Bank, on premises. Shoring, brick work, cut stone, structural steel, carpentry and mill work, Stedman naturalized floors, plastering, painting, hardware, repairs to roof. Contract awarded to H. E. Baton, 1713 Sansom street, Philadelphia.

Garage, Bainbridge near Broad street, Philadelphia. Architect, private plans. Owners, Kanak Co., 1034 Spruce street, Philadelphia. Reinforced concrete, brick, 3 stories, 72x120 feet, steam heat, electric light, rolled steel sash, ornamental iron work, slag roof, cement floors. Contract awarded Benjamin Kaplan, 1034 Spruce street, Philadelphia, who is taking sub-bids.

Bank, Fifty-second and Ludlow streets, Philadelphia. Architects, Mellor, Meigs & Howe, 205 South Juniper street, Philadelphia. Owners, Philadelphia Saving Fund Society,

Seventh and Walnut streets, Philadelphia. Limestone, steel, 1 story and basement, 46x67 feet, copper roof, marble floors, hot water heat, electric light, tile work. Contract awarded George A. Fuller Co., Morris Building, Philadelphia.

Offices (alts.), Fourth and Allegheny avenue, Philadelphia. Architect, Samuel T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading Railroad (Mason-Scholes Coal Co.), on premises. Carpentry and mill work, plastering, painting and glazing, hardware, electric light. Contract awarded Curtis Grindrod, 10 South Eighteenth street, Philadelphia.

Residence (alts. and add.), 6420 Drexel road, Philadelphia. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner, P. H. Gadsden, 6420 Drexel road, Philadelphia. Stone, 1 story add. to living room and stone porch, shingle roof, hardwood floors, steam heat, electric light. Contract awarded to Milton W. Young, 2037 North Sixty-third street, Philadelphia.

Factory (add.), Amber and Venango streets, Philadelphia. Architect, private plans. Owners, Gill Glass Co., Inc., Amber and Venango streets, Philadelphia. Reinforced concrete, brick, steel, 1 story, 120x178 feet, steam heat, electric light, slag roof, cement floors, elevator, rolled steel sash, ornamental iron work. Contract awarded W. R. Dougherty, 1610 Sansom street, Philadelphia.

Garage, 5155-57-59 West Girard avenue, Philadelphia, \$25,000. Architect, Herman H. Kline, Bulletin Building, Philadelphia. Owner, Harry Mushlin, 1018 Lincoln Building, Philadelphia. Brick, 2 stories, 45x116 feet, slag roof, cement floors, steam heat, electric light. Contract awarded to I. Farbstein, 917 Ritner street, Philadelphia.

Garage, Southeast Corner Second and Susquehanna avenue, Philadelphia, \$25,000. Architect, Herman H. Kline, Bulletin Building, Philadelphia. Owner, Harry Mushlin, 1018 Lincoln Building, Philadelphia. Brick, 2 stories, 51x104 feet, slag roof, cement floors, steam heat, electric light. Contract awarded to I. Farbstein, 917 Ritner street, Philadelphia.

Residence (add.), 8015 Navahoe street, Philadelphia, \$3,500. Architect, Edmund B. Gilchrist, 1618 Latimer street, Philadelphia. Owner, Dr. George Woodward, McCallum street and Mermaid lane, Philadelphia. Stone, 2 stories, 16x18 feet, hardwood and pine floors, electric lighting, heating extension. Contract awarded to Samuel Harting & Son, 20 East Johnson street.

Office and Storage (alts. and add.), 1004 West Lehigh avenue, \$15,000. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owner, D. H. Simmerman, on premises. Brick, 1 story, 10 feet 6 inches x 16 feet, steam heat, plumbing, electric work, slag roof, yellow pine floors, general alterations. Contract awarded to W. Edward Pierce, 328 South Juniper street.

School (alts. and add.), Green street, West Logan street, Philadelphia, \$43,000. Architect, F. F. Durang, 1220 Locust street, Philadelphia. Owners, St. Francis of Assisi Roman Catholic Church, Rev. J. D. Nevin, on premises. Brick, 2 stories and basement, 81x41 feet, steam heat, electric light, slag roof. Contract awarded D. W. O'Dea, 420 Duncan street, Philadelphia.

Residence, South side Disston street, East of Loretto street, \$9,500. Architect, private

plans. Owner, Joseph C. Shramm, 2923 Cambridge street, Philadelphia. Frame, 2 stories, 30x24 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to John S. Peters, Bristol, Pa.

Garage, East side Mulberry street, North of Foulkrod street, Philadelphia, \$9,275. Architect, private plans. Owner, Harry Gelsman, 332 West Roosevelt Boulevard, Philadelphia. Brick, 1 story, irregular shape, slag roof, cement floors. Contract awarded to David Ein, 332 Roosevelt Boulevard, Philadelphia.

Manufacturing Building (alts.), South side Viola, East of Fifty-first, \$5,000. Architect, private plans. Owners, Collins & Aikman Co., on premises. General alterations. Contract awarded to Turner Const. Co., 1713 Sansom street, Philadelphia.

Residence, North side Harley avenue, West of Ninety-first street, Philadelphia, \$4,200. Architect, private plans. Owner, Rachel Archer, Ninety-first and Harley avenue, Philadelphia. Brick, 2 stories, 28x36 feet, pine floors, electric lighting, pipeless heating. Contract awarded to William Archer, Ninety-first and Harley avenue, Philadelphia.

Residence (add.), 2104 Pine street, Philadelphia, \$4,000. Owners, Dr. Samuel Bruck, on premises. Brick, second story add., 10x14 feet. Contract awarded to Joseph Cichiny, 2231 Green street, Philadelphia.

Seventh Street Bridge, over Greenwich Branch, Pennsylvania Railroad and Baltimore and Ohio, \$98,000. Owners, City of Philadelphia, Department of Public Works, 216 City Hall. Contract awarded Brown-King Const. Co., Commercial Trust Building, Philadelphia.

Building (alts. and add.), 1726 Sansom street, Philadelphia, \$2,100. Architect, private plans. Owner, Aug. A. Lincoln, 1600 Chestnut street, Philadelphia. Brick, 1 story add., 15x24 feet, general alterations. Contract awarded to Sol Getz, 2720 Oxford street, Philadelphia.

Residence (alts. and add.), 5647 Chew street, Philadelphia, \$7,700. Architect, private plans. Owner, T. B. Stork, 600 Church Lane, Philadelphia. Brick, 2 stories add., 14 feet 3 inches x 6 feet 6 inches, general alterations. Contract awarded to W. C. Wright & Son, 22 Harvey street, Philadelphia.

Storage Building (add.), 232-40 Moore avenue, Philadelphia, \$7,500. Architect, private plans. Owner, Max Cohn, 4912 Chestnut street, Philadelphia. Steel and brick, 1 story, 40x50 feet, second story, 14x40 feet. Contract awarded to D. Wittenberg, 1519 North Thirty-third street, Philadelphia.

Residence, 753 South Seventh street, Philadelphia, \$7,500. Architect, private plans. Owner, G. Carfacont, 728 Fitzwater street, Philadelphia. Brick, 3 stories, 17x23 feet, 14x25 feet, slag roof, hot water heat, electric light. Contract awarded to N. Altariello, 726 Fulton street, Philadelphia.

Office and Residence (add. and alts.), 1132 West Lehigh avenue, \$6,000. Architect, private plans. Owner, Theo. E. Nickles, 2513 Germantown avenue, Philadelphia. Brick, 1 story add., 16x14 feet, general alterations. Contract awarded to Harry Gill, Jr., 2515 Germantown avenue.

Store and Office (alts. and add.), 1334 Spring Garden street. Architect, private plans. Owners, Mastbaum Brothers & Fleischer, Finance Building, Philadelphia. Brick, 1 story add., 5x40 feet, general alterations. Contract awarded to S. H. Levin, 1631 South Fifth street, Philadelphia.

Residence, East side Verree road, South of Red Lion road, \$6,000. Architect, private plans. Owner, Sidney Tuckey, Bustleton, Philadelphia. Frame, 2 stories, 32x40 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Thomas C. Copeland, Bustleton, Philadelphia.

Store and Residence (alts.), Southwest Corner Twenty-third and Oxford streets, \$5,000. Architect, private plans. Owner, Lewis N. Blaustein, on premises. General alterations. Contract awarded to F. I. Wintz, 1618 North Twenty-seventh street, Philadelphia.

Residence (add.), South side Henny avenue, South of Wigard avenue, \$2,000. Architect, private plans. Owner, George H. Wilbery, 5118 Ridge avenue, Philadelphia. Frame, 2 stories, 20x15 feet 8 inches, shingle roof, pine floors. Contract awarded to A. C. Waecker, 4133 Lauriston street, Philadelphia.

Restaurant (alts.), 3965 Lancaster avenue, Philadelphia, \$10,000. Architect, private plans. Owner, J. S. Littleton, Lancaster and Haverford avenues, Philadelphia. General alterations. Contract awarded to W. P. Cameron Eng. Co., 1015 Packard Building.

Residence, East side Bustleton pike, South of Red Lion road, \$8,900. Architect, private plans. Owner, Mrs. Rose Erginfinger, 4407 Rising Sun avenue, Philadelphia. Brick, 2 stories, 25x36 feet, hardwood and pine floors, hot water heat, electric lighting. Contract awarded to J. Hauser, Afton street, Fox Chase, Philadelphia.

Grandstands, Northwest Corner Manheim and Morris streets, \$10,000. Architect, private plans. Owners, Germantown Cricket Club, on premises. Frame. Contract awarded to Roydhouse-Arey Co., 1209 Fidelity Building.

Store (alts.), 833-37 Market street, Philadelphia, \$15,000. Architect, private plans. Owners, Blauner's, on premises. General alterations. Contract awarded to A. Hall, 3429 North Mascher street, Philadelphia.

Residence (add.), 745 South Warnock street, Philadelphia, \$2,000. Architect, private plans. Owner, L. Di Giacomo, on premises. Brick, 3 stories add., 13x10 feet, slag roof, pine floors. Contract awarded to F. Vianole, 1316 South Fifteenth street, Philadelphia.

Residences (54), Ormond and Bristol streets, Philadelphia, \$217,000. Architect, private plans. Owner, Max Chipin, 6741 Gratz street, Philadelphia. Brick, 2 stories, (2) 15x38 feet, (52) 15x27 feet, 12x11 feet, hot water heat, electric light, pine floors. Contract awarded to L. Hauser, Broad and Cambria streets, Philadelphia.

Residence, Northwest Corner Castor avenue and Glenview street, Philadelphia, \$5,000. Architect, private plans. Owner, Elmer Kline, 348 North Redfield street, Philadelphia. Frame, 2 stories, 26x40 feet, shingle roof, electric light. Contract awarded to William E. Schuh, Sewell, N. J.

Store and Residence (add.), 4518 Frank-



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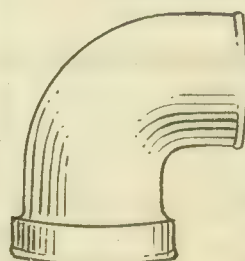
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ford avenue, Philadelphia, \$5,000. Architect, private plans. Owners, S. H. Wood Co., on premises. Brick, 2 stories add., 13x40 feet. Contract awarded to J. P. Hallahan, 2313 Walnut street, Philadelphia.

Residences (2), East side Ninety-first street, South of Erwig avenue, \$4,200 each. Architect, private plans. Owner, Robert Thusich, 2221 South Sixty-fourth street, Philadelphia. Brick, 2 stories, 14x32 feet, slag roof, pine floors, hot air heat, electric light. Contract awarded to Robert Heath, 3212 South Eighty-seventh street, Philadelphia.

Residence, South side Brighton street, West Frontenac street, \$7,500. Architect, private plans, Owner, James Kessin, 5550 North Eighteenth street, Philadelphia, Frame, 2 stories, 22x33 feet, shingle roof, electric light. Contract awarded to R. W. Binkworth & Co., 2914 North Third street, Philadelphia.

Residence, Northeast Corner Twenty-first and Kater streets, Philadelphia, \$5,000. Architect, private plans. Owner, Peter McGough, 615 South Twenty-first streets, Philadelphia. Brick, 3 stories, 16x41 feet, slag roof, pine floors, electric work. Contract awarded to P. F. Lafferty, 1907 Christian street, Philadelphia.

Store and Residence (alts. and add.), 1513 Ridge avenue, \$3,550. Architect, private plans. Owner, Mrs. Rubin Kalter, 1509 Ridge avenue, Philadelphia. Brick, 1 story, 12x14 feet, general alterations. Contract awarded to Sanberg & Naulty, 2622 South Ninth street, Philadelphia.

PENNSYLVANIA Construction News

Store and Apartment, Orelan, Pa. Architect, L. Walton Heiss, Jenkintown, Pa. Owner, J. N. Cohen, Ambler, Pa. Brick, two stories, 20x75 feet each, slag roof, hardwood floors, tile work, hot water heat, metal ceilings, metal bulks. Architect taking revised bids.

Show Room, Lancaster pike and Old Lancaster road, Ardmore, Pa. Architect, Guy B. Johnson, 237 North Sixteenth street, Philadelphia. Owner, William J. O'Brien, 1033 Walnut street, Philadelphia. Brick, 2 stories, 40x120 feet, hot water heat, electric light, slag roof, maple floors. Plans in progress.

Residence and Garage, Merion, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owner, S. F. Scattergood, 5048 Chestnut street, Philadelphia. Stone, 2½ stories, 35x42 feet, 18x40 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans in progress. Architect will take bids in one week.

Church, Lancaster, Pa. Architects, Charles Bolton & Son, Schaff Building, Philadelphia. Owners, St. Peter's Reformed Church, care of Charles D. Stotts, Lancaster, Pa. Brick, 1 story, 55x45 feet. Plans in progress.

Stores (4) and Arcade, Montgomery avenue, Narberth, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owners, Rittenhouse Brothers, Inc., Fifty-third and Vine streets, Philadelphia. Cement block and plaster, 1 story, 100x70 feet, slag roof, electric light. Plans in progress.

Residence, Rosemont, Bethlehem, Pa. Architect, H. J. Weigner, Bethlehem Trust Building, Bethlehem, Pa. Owner, George Erwin, Bethlehem, Pa. Brick, 2½ stories, irregular size, shingle roof, hardwood floors, vapor vacuum heat, electric light, tile work. Plans in progress.

Warehouse and Garage, Bethlehem, Pa. Ar-

Storage Building (alts.), 2412 North Front street, Philadelphia, \$3,500. Architect, private plans. Owner, M. Leipschultz, on premises. General alterations. Contract awarded to Belinsky Brothers, 2630 South Ninth street, Philadelphia.

Garage and Residence (alts.), Northeast Corner Twenty-third and Cumberland streets, \$3,000. Architect, private plans. Owner, Joseph Negro, 2130 West Cambria street, Philadelphia. Brick, 1 story, 24x16 feet, general alterations to residence. Contract awarded to Negro Brothers, 2130 West Cambria street, Philadelphia.

Garage, 122 Apsley street, Philadelphia, \$2,000. Architect, private plans. Owner, M. W. Diaz, on premises. Brick, 1 story, 17x17 feet, slag roof, cement floors. Contract awarded to W. F. Driscoll, 100 Apsley street, Philadelphia.

Residence and Office (alts. and add.), 2637 East Allegheny avenue, \$3,000. Architect, private plans. Owner, E. M. Reardon, 2651 East Allegheny avenue, Philadelphia. Brick, second story add., 16x6 feet, general alterations. Contract awarded to John Scott, 3933 North Eighth street, Philadelphia.

Residence (add. and alts.), 515 North Brooklyn street, Philadelphia, \$2,900. Architect, private plans. Owner, A. Thorn, on premises. Brick, 1 story, 12x10 feet, third story, 12x21 feet, general alterations. Contract awarded to J. E. Washington, 2327 Catherine street, Philadelphia.

chitect, H. J. Weigner, Bethlehem Trust Building, Bethlehem, Pa. Owner, Brown Borhek, Bethlehem, Pa. Brick, steel, 2 stories, 76x45 feet, slag roof, concrete floors, cinder block, roof ventilators, waterproofing and dampproofing, fire doors, steam heat, electric light. Plans in progress. Ready for bids in ten days.

Residence, Allentown, Pa. Engineer, A. J. Bibighaus, 530 Hamilton street, Allentown, Pa. Owner, Dr. Richards, Twentieth and Main streets, Allentown, Pa. Brick, stucco, 2½ stories, 30x40 feet, shingle roof, hardwood floors, electric light. Plans in progress.

Residence, Allentown, Pa. Engineer, A. J. Bibighaus, 530 Hamilton street, Allentown, Pa. Owner, George Semmel, 1915 Penn avenue, Allentown, Pa. Brick, 2½ stories, 26x32 feet, slate roof, hardwood floors, tile work, electric light. Plans in progress.

Residence, Broad street, Spring City, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, D. D. Skinner, 330 Broad street, Spring City, Pa. Tapestry brick, 2½ stories, 30x30 feet, asbestos roof, oak and tile floors, bond, Morgan doors, wood and steel sash, tile work, hot water heat, electric light. Plans in progress. Owner will take bids.

Garage, Broad street, Spring City, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, D. D. Skinner, 330 Broad street, Spring City, Pa. Tapestry brick, 1 story, 20x32 feet, asbestos shingle roof, cement floors, hot water heat, electric light. Plans in progress. Owner will take bids.

Theatre, Club Room and Dance Hall, Bath, Pa. Architect, E. R. Bitting, Odd Fellows' Building, Bethlehem, Pa. Owners, Bath Chemical Engine & Hose Co., Bath, Pa. Brick, steel, 2 stories and basement, 50x142 feet, reinforced concrete and hardwood floors, roof ventilators, dampproofing, ornamental iron work, iron stairs, copper work, tile and

marble, vapor heat, electric light. Owners ready for bids.

Factory, Wind Gap, Pa. Engineer, A. J. Bibighaus, 530 Hamilton street, Allentown, Pa. Owners, Kauffman Brothers, Wind Gap, Pa. Brick, steel, 2 stories and basement, 38x112 feet, slag roof, wood floors, freight elevators, waterproofing and dampproofing, fire doors, vapor vacuum heat, electric light. Engineer taking sub-bids.

Masonic Temple (superstructure), Tamaqua, Pa. Architect, Benjamin Rush Stevens, 1827 Arch street, Philadelphia. Owners, Masonic Temple Association, Tamaqua, Pa. Brick, steel, 3 stories, 46x150 feet, composition roof, hardwood, composition and cement floors, vapor heat, electric light, tile and marble work. Architect ready for bids.

School, Butztown, Pa. Architect, E. H. Wenzelberger, 224 Northampton street, Easton, Pa. Owners, Bethlehem Township School Board, A. Arbogast, Easton, Pa. Brick, steel, 1 story, 64x100 feet, slate roof, pine floors, hollow tile, roof ventilators, waterproofing and dampproofing, iron stairs, bond, skylights, metal lath (heating, plumbing and electric separate). Ready for bids.

Farm House (alts. and add.), **Tenant House and Garage**, Berwyn, Pa. Architect, Harry Gordon McMurtrie, 1012 Walnut street, Philadelphia. Owner, name withheld. Stone, 2½ stories, irregular, hot water heat, electric light, tile and marble work, slate roof, hardwood floors. Plans about completed. Architect will take bids in one week.

School, Lumber and Turner streets, Allentown, Pa. Architects, Ruhe & Lange, 10 North Sixth street, Allentown, Pa. Owners, Allentown School Board, T. P. Wenner, secretary, Allentown. Fireproof, 2 stories, 25 to 30 rooms, slag roof, hardwood and concrete floors, hollow tile, safety treads, ornamental iron, bond, iron stairs, kalamein doors, rolled steel sash, tile and marble, metal lath (heating, plumbing and electric separate). Ready for bids.

Theatre, Stores and Apartments, Third and Central street, Chester, Pa. Architect, Richard R. Neely, 2301 Spruce street, Philadelphia. Owner, H. C. Goodwin, 314 Lincoln Building, Philadelphia. Brick and steel, 1 story, 130x150 feet, slag roof, cement floors, steam heat, electric light, tile and marble work. Plans in progress.

Sunday School (alts. and add.), Sharon Hill, Delaware County, Pa. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owners, Sharon Hill Methodist Episcopal Church, Jesse Roberts, chairman, Sharon Hill, Pa. Stone, 1 story, slate roof, electric light. Plans in progress.

Residence and Garage, Jenkintown, Pa. Architect, Paul M. Hesser, Jr., 225 South Sixth street, Philadelphia. Owner, W. A. Ickler, care of N. Snellenburg Co., Twelfth and Market streets, Philadelphia. Stone, frame, 2½ stories, 44x28 feet, shingle roof. Plans in progress.

High School, Canadensis, Pa. Architects, Lacey & Rinker, East Stroudsburg, Pa. Owners, Barlett Township School Board, Canadensis, Pa. Plans in progress. Will be ready for bids about August 15th.

Retaining Wall, Bridge No. 122, Sprout Highway, North of Baltimore pike, Springfield Township, Delaware County, Pa. Owners, Delaware County Commissioners, care of County Controller, Media, Pa. Labor, equipment, tools necessary to construct approximately 65 feet of retaining wall. Certified check for \$500 required. Plans and specifications, \$1.00 deposit. Owners taking bids due August 11th at 11 A. M. (Standard Time).

Grade School, Summit Hill, Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owners, Summit Hill School Board, William Houghton, secretary, Summit Hill, Pa. Semi-fireproof, brick, stone, 2 stories and

basement, 130x94 feet, slag roof, pine floors, hollow tile, roof ventilators, skylights, metal lath, electric lighting (heating, plumbing and electric work separate). Owners taking bids due August 5th.

Warehouse (add.), Wilkes-Barre, Pa. Architect, private plans Owners, Friedman's Express & Storage Co., 36 South Grant street, Wilkes-Barre, Pa. Brick, 4 stories add., 30x66 feet, slag roof, wood floors, structural steel, elevators, steel sash and doors, concrete work. Owners taking bids.

Church (add.), Bethlehem, Pa. Architects, Charles W. Bolton & Son, Schaff Building, Philadelphia. Owners, Grace Reformed Church, Bethlehem, Pa., Rev. C. T. Brown. Brick, stone, one story, 30x40 feet. Owners taking bids.

Junior and Senior High School, Bloomsburg, Columbia County, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Board of Education, R. A. McCachran, Secretary, Bloomsburg, Pa. Brick, steel, cut stone, three stories and basement, 189x174 feet (plumbing, heating, electric separate bids), composition roof, pine and cement, linoleum floors, hollow tile, roof vents, water and dampproofing, metal lath, marble and terrazzo work, kalamein sash, hollow metal doors, bond, ornamental iron work, terra cotta coping, accoustical treatment, alberne stone, dumbgaiter, stage equipment. Owners taking bids, due August 7th, 5 P. M.

Vocational High School, Picture Rocks, Lycoming County, Pa. Architects, Maurice E. Kressly & Co., Commonwealth Building, Harrisburg, Pa. Owners, Borough of Picture Rocks, Lycoming County, Pa. Brick, concrete, cinder block, one story and basement, 188x66 feet, wing 38x85 feet, shingle-asbestos built up roof, cement and yellow pine floors, ornamental iron work, bond, skylights, tile work, metal lath, certified check 2% (plumbing, heating and electric work separate). Owners taking bids.

Residence, Lower Merion Township, Pa. Architect, John J. Carroll, 1619 Chestnut street, Philadelphia. Owner, P. J. O'Connell, 1223 North Fifty-fourth street, Philadelphia. Stone and stucco, 2½ stories, 30x38 feet (plumbing, heat, electric reserved), hot water heat, electric light, tile work, slate roof, hardwood floors. Architect taking bids, due July 31st.

Warehouse, Bethlehem, Pa. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owners, Bethlehem Supply Company, Bethlehem, Pa. Brick, two stories, 125x50 feet, slag roof, concrete floors, water and dampproofing, iron stairs, plate glass, fire doors, steel sash, electric light. Architect taking bids, due August 3rd.

Convent Building, Nineteenth and Washington Boulevard, Easton, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owners, Parish of Jane Frances DeChantel, Easton, Pa., Brick, cut stone, steel, three stories, 69x36 feet (heating, plumbing, ventilating, electric reserved), slag roof, oak, cement and linoleum floors, metal lath, painting and glazing, ornamental iron work, bond, kalamein doors, copper skylights, limestone, bluestone, granite. Architect taking revised bids, due August 2.

Residence, Drexel Hill, Delaware County, Pa. Architect, John J. Carroll, 1619 Chestnut street, Philadelphia. Owner, Monsignor Thos. J. McNally, 1710 Summer street, Philadelphia. Brick, stucco, hollow tile, 2½ stories, 36x23 feet, shingle roof, oak and pine floors, plumbing, hot water heat, electric light, tile work, bond, ornamental iron work. Architect taking bids, due as soon as possible.

Sunday School, Palmerton, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Holy Trin-

ity Evangelical Lutheran Church, Palmerton. Stone, 2½ stories 30x50 feet, zinc roof, pine floors, steam heat, electric light. Architects taking bids, due August 7th.

Pennsylvania Contracts Awarded

Richard McAllister Hotel, Hanover, Pa. Architect, W. L. Stoddart, 50 East Forty-first street, New York. Owners, Community Hotel Co. of Hanover, Wm. E. Matthews, Executive Secretary, Chamber of Commerce, Hanover, Pa. Brick, steel, reinforced concrete, limestone, five stories and basement, 159x115 feet, slag roof, cement and oak floors, hollow tile, safety treads, metal window guards, shoring, dampproofing, architectural terra cotta, ornamental iron, iron stairs, bond, copper covered and kalamein doors, rolled steel sash and skylights, tile and marble, metal lath, integral waterproofing, modelling, ornamental plaster, rubber tile floors. Contract awarded to O. H. Hostetter, Hanover, Pa. Plumbing, heating and electrical work awarded to Standard Engineering Co., Washington, D. C.

Bank, Northumberland, Pa. Architects, Simon, Brittain & English, 829 Chestnut St., Philadelphia. Owners, Northumberland National Bank, Northumberland, Pa. Reinforced concrete, brick, cut stone, steel, stone, one story and mezzanine and basement, 80x37 feet, Barrett specified roof, cement floors, hollow tile, plumbing, roof ventilation, metal ceilings, shoring, water and dampproofing, ornamental iron work, floor hardener, bond, rolled steel sash, metal sash, electric light, steam heat, ornamental plastering, trusecon waterproofing. Contract awarded H. A. Hipple, Harrisburg National Bank Building, Harrisburg, Pa.

Residence and Garage, Elkins Park, Pa., \$15,000. Architect, Edgar F. Ott, 4259 N. Seventh street, Philadelphia. Owner, P. V. Leof, 3827 North Smedley street, Philadelphia. Concrete block, stucco, 2½ stories, 27x42 feet, one story, 22x20 feet, hot water heat, electric light, tile work, slate roof, hardwood floors, tile work. Contract awarded P. T. McCluskey, 419 Luray street, Philadelphia.

School, Bethlehem, Pa. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owners, St. Joseph's Windish R. C. Church, Bethlehem, Pa. Brick, steel, three stories, 70x80 feet, slag roof, pine floors, hollow tile, safety treads, roof ventilators, water and dampproofing, ornamental iron, iron stairs, vapor vacuum heat, electric light. Contract awarded to Ben Schrader, Bethlehem, Pa.

Church, Aldan, Delaware County, Pa. Architect, private plans. Owners, Aldan Union Church, Wm. A. Dean, Elm avenue, Aldan, Delaware County, Pa. Stone and frame, one story and basement, 24x76 feet, 12x17 feet (plumbing, heating and electric light reserved), shingle roof, cement and pine floors. Contract awarded to F. K. Wilkinson & Co., 10 Ridley avenue, Aldan, Delaware County, Pa.

Theatre (alts.), Tamaqua, Pa. Architect, Wm. H. Lee, 1505 Race street, Philadelphia. Owners, Chamberlain Amusement Company, Tamaqua, Pa. Brickwork, painting, glazing, carpentry and millwork, plastering. Contract awarded to Stofflet & Tillotson, Wesley Building, Philadelphia.

Residence (alts.), Ashland, Pa. Architect, private plans. Owner, George Pepper, on premises. Slag roof, oak and pine floors, carpentry and millwork, brickwork, hot water heat, electric light, tile work. Contract awarded to Stofflet & Tillotson, Wesley Building, Philadelphia.

Swimming Pool, Radnor, Pa., \$17,722. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owner, Mrs. W. L. Nevin, Radnor, Pa. Concrete, reinforced steel, 60x20 feet, 4 bronze ladders, cast stone, brickwork. Contract awarded to John N. Gill Construction Co., City Center Building, Philadelphia.

Bridge Improvements, Media, Pa. Engineer, S. C. Hollister, Court House, Media, Pa. Owners, Delaware County Commissioners, George T. Wades, County Controller, Media, Pa. Widening Bridge No. 66 over Naylor's Run, reinforced concrete, 30-foot span width, proposed width 40 feet. Contract awarded J. H. McClatchey, Land Title Building, \$3,102.68. Bridge No. 144 over Muchinipatus Creek, Glenolden, Pa., 25-foot span, widening to 40 feet, concrete slab. Contract awarded to Birch & Really, Chester, Pa., \$4,790.

Residence (alts.), Whitmarsh, Montgomery County, Pa. Architects, Willing, Sims & Talbut, 128 South Eighteenth street, Philadelphia. Owner, Albert Nalle, on premises. Slate roof, cement work, carpentry and millwork (plumbing, heating, electric, painting reserved). Contract awarded to E. R. Hall, 34 South Seventeenth street, Philadelphia.

Fire House and Office, Marcus Hook, Pa. Architects, The Ballinger Company, Twelfth and Chestnut streets, Philadelphia. Owners, Viscos Company, Marcus Hook, Pa. Office, stone, brick, reinforced concrete, cut stone, steel, two stories and basement, 129x51 feet, Barrett specified roof, cement and maple floors, hollow tile, hardware, painting and glazing, metal weatherstrip, water and dampproofing, ornamental iron work, iron stairs, bond, kalamein doors, tile and marble work, metal lath, Western waterproofing, vault doors, caulking. Fire House, brick, cut stone, steel, reinforced concrete, two stories, 24x50 feet, variegated slate roof, maple cement and composition floors, steam heat, electric light, painting and glazing, bond, floor hardener, ornamental iron work, granite, limestone, Karmak or equal waterproofing, caulking, plumbing, wrought iron pipe. Contract awarded to Wark Company, 1600 Walnut street, Philadelphia.

Theatre, Store and Apartment, Willow Grove, Pa. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owners, Rothwell Company, care of E. Rothwell, Willow Grove, Pa. Brick, hollow tile, stucco, two stories and basement, 160x90 feet, composition Vermont slate, slag roof, cement and composition, pine floors, painting and glazing, bond, hollow metal sash, tile and terrazzo work, metal lath, integral waterproofing, metal partitions. Contract awarded to A. G. Warren Company, 1525 Cherry street, Philadelphia.

Office Building, Pittsburgh, Pa. Architects, Day & Klauder, Franklin Bank Building, Philadelphia. Owners, Pittsburgh University, Pittsburgh, Pa. Brick, steel, concrete, 53 stories and four basements, four stories 200x200 feet, tower 640 feet high, steam heat, electric light, cement floors, elevator, tile and marble work. Details undecided. Contract awarded to Stone & Webster, Real Estate Trust Building, Philadelphia.

Bank (alts.), Carbondale, Pa. Architects, Morgan, French & Co., 19 West Forty-fourth street, New York City. Owners, Liberty Discount Savings Bank, Carbondale, Pa. Painting, glazing, carpentry, millwork, rolled steel sash, ornamental iron, kalamein doors, metal lath, plastering, structural steel, brickwork, tile and marble, bronze, bond, plumbing, heating and electric alterations. Contract awarded to Shepherd Construction Company, Miners' Bank Building, Wilkes-Barre, Pa.

Restaurant and Ball Room, Siegersville, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owner, A. Shank-

weiler, care of architects. Brick, two stories, 40x60 feet, slag roof, hardwood floors, vapor heat, electric light. Contract awarded to Asa Clader, Allentown, Pa.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Forest County, R-93, Hickory Township, 2,695 feet. Grading and drainage. Contract awarded to J. E. Trunk, Clarion, Pa., \$20,629.97.

Bucks County, R-281, Falls Township, one course reinforced concrete. Contract awarded to Heydock-Martin Company, 20 South Fifteenth street, Philadelphia, \$22,297.70.

Chester County, R-142, East Caln and West Whiteland Townships, one course reinforced concrete, \$145,359.04. Contract awarded to Juniata Co., Empire Building, Philadelphia.

Lycoming County, R-20, Sec. 7, Old Lycoming and Loysock Townships. One course reinforced concrete, \$100,631.50. Contract awarded to A. W. Hinaman, Somerset, Pa.

Montgomery County, A-2696, Upper and Lower Pottsgrove, New Hanover Township. One course reinforced concrete, \$203,231.39. Contract awarded to Souder Construction Co., Lancaster, Pa.

Armstrong-Indiana Counties, R-189, Sec. 3, Cowanshannock and South Mahoning Townships. One course reinforced concrete, \$294,541.46. Contract awarded to M. Bennett & Sons, Indiana, Pa.

Huntingdon County, A-2828, Carbon Township, 8,349 feet. One course reinforced concrete, \$70,753.30. Contract awarded to W. C. Guncheon & Co., Harrisburg, Pa.

Residence and Garage, Sewickley, Pa. Architect, Carl A. Ziegler, 1012 Walnut street, Philadelphia. Owner, Wm. L. Clause, Sewickley, Pa. Stone, 2½ stories, irregular, shingle roof, hardwood floors, vacuum heat, electric light, tile work. Contract awarded to J. H. Potterman, Park Building, Pittsburgh, Pa.

Hotel, Sixth and Hamilton streets, Allentown, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Portruch & Gomery, care of Portruch Construction Co., Allentown, Pa. Brick, steel, 14 stories, 300 rooms, slag roof, hardwood floors, elevators, steam heat, electric light, tile and marble work, metal lath. Contract awarded Portruch Construction Co., 926 Hamilton street, Allentown, Pa. Note architects.

Bungalow, Doylestown, Berks County, \$8,000. Architect, A. Oscar Martin, Doylestown, Pa. Owner, Joseph Baker, Doylestown, Pa. Brick, 1½ stories, 28x46 feet, asbestos shingle roof, pine floors, hot water heat, electric light. Contract awarded to David D. Nice, Willow Grove, Pa.

School Buildings (alts. and repairs), near Wilkes-Barre, Hanover Township, Luzerne County, Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owners, Hanover Township School District, W. H. Morris, Secretary, 58 Lee Park avenue, Wilkes-Barre, Pa. General alterations and repairs. Contract awarded to E. J. Donohue, Ashley, Pa.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Blair-Cambria Counties, R-53, Sec. 1, Juniata, Cresson and Allegheny Townships, Cresson Borough, 15,634 feet. One course reinforced concrete, \$134,480.25. Contract awarded to A. W. Hinaman, Somerset, Pa.

New Jersey Construction News

Hotel (add.), Pennsylvania avenue and Boardwalk, Atlantic City, N. J. Architects, Lockwood, Greene & Co., 24 Federal street, Boston, Mass. Owners, Seaside Hotel, F. P.

Cooks' Sons, on premises. Brick, steel, concrete, 12 stories, 250 rooms and baths. Plans in progress. Architects will take bids in several months.

Residences (4), 1312-14-16-18 Morton street, Camden, N. J., \$20,000. Architect, private plans. Owner, Bruno J. Wilinski, 1213 Mount Ephiam avenue, Camden, N. J. Brick, two stories, 14x45 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Hotel Philip Baker, Wildwood, N. J., \$1,000,000. Architects, Edwards & Green, Camden, N. J. Owners, Wildwood Hotel Company, H. Foster Goslin, President. Wildwood, N. J. Brick, steel, concrete, hollow tile, 8 stories, 200x150 feet, steam heat, electric light, tile and marble work, elevators, concrete floors, water and damp-proofing, ornamental iron work. Plans in progress. Architects will take bids September 1st.

Hotel, Missouri avenue and Boardwalk, Atlantic City, N. J. Architect, Lockwood Greene Co., 1 Pershing Square, New York. Owner, Perfetti Beach Fruit Corporation, care of G. Perfetti, 13 South Fifteenth St., Philadelphia. Brick, steel, concrete, 15 stories, consists of 1000 rooms, steam heat, electric light, tile and marble work, tile and concrete floors, elevators, metal lath. Owner will take bids in September.

Store Building (alts. and add.), Bridgeton, N. J. Architect, Walter L. Custer, Bridgeton, N. J. Owner, Hurley and Co., Bridgeton, N. J. Bond, brickwork, cast stone, concrete work, steel and iron work, oak floors, carpentry and millwork, metal ceilings, metal lath, plastering, hardware, Barrett specification report, store fronts (metal), painting and glazing, (plumbing, heating, electric and bronze letters reserved.) Architect taking bids due August 3rd.

Hotel (add.), Boardwalk, Atlantic City, N. J. Architect, Carrere and Hastings, 52 Vanderbilt Ave., New York City. Owner, Hotel Chelsea, Atlantic City, N. J. Reinforced concrete, brick, granite, limestone, steel, 9 stories and basement, 240x100 feet, (plumbing, heating, electric elevator, reserved) Barrett Specification roof, cement floors, metal lath, tile and marble work, shoring, terra cotta, ornamental iron work, metal store fronts, mail chutes. Plans in progress.

Residence (alts.), Riverton, N. J. Architect, J. Fletcher Street, 1120 Locust street, Philadelphia. Owner, Mrs. Jos. L. Thomas, Riverside, N. J. Stone, consisting of one back room addition, tile work. Architect taking bids due as soon as possible.

Residences (30), Utah and Mickel Sts., Camden, N. J. Architect, private plans. Owners, Lorigan-Hurley Co., 315 State St., Camden, N. J. Brick, 2 stories, 15x34 feet, slag roof, pine floors, hot water heat, electric light. Plans in progress. Owners will take bids in three weeks.

New Jersey Contracts Awarded

Nurses Home, Trenton, N. J., \$160,880. Architects, P. L. Fowler Co., 224 East Hanover Street, Trenton, N. J. Owners, Mercer Hospital, Mr. Lyons, 196 South Broad street, Trenton, N. J. Brick, steel, concrete, fireproof, 3 stories and basement, 60x145 feet, slag roof, cement and tile floors, hollow tile, elevators, safety treads, roof ventilators, rolled steel sash, fire doors, iron stairs, ornamental iron work, tile and marble (heating, plumbing and

electric work, reserved.) Contract awarded to Thos. Day & Son, Hunt Building, Trenton, N. J. Plumbing to Trenton & Heating Co., Trenton, N. J., \$16,484. Heating to Trenton Plumbing and Heating Co., Trenton, N. J., \$11,446. Electric to Mercer Electric Co., Trenton, N. J., \$3,101.

Bell Telephone Building, Portland avenue, Atlantic City, N. J. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owner, Bell Telephone Co., Seventeenth and Parkway, Philadelphia. Brick, roughcast, 3 stories, 48x77 feet, steam heat, electric light, slag roof, cement floors, rolled steel sash, ornamental iron work. Contract awarded Irwin & Leighton, 126 North Twelfth Street, Philadelphia.

Concrete Street Paving, Woodbury, N. J. Owner, City of Woodbury, D. S. Davis, City Clerk, Woodbury, N. J. Contract awarded, Michael Staub, 47 South Broadway, Pitman, N. J., \$49,233.

Miscellaneous Construction News

Buildings, Somerville, Mass. Architect, Albert Kahn, Marquette Building, Detroit, Mich. Owner, Ford Motor Co., Detroit, Mich. Brick, concrete, cut stone, limestone, Assembly Building, 300x1200 feet, 1 story, Power House, 69x62 feet, 1 story, Oil House, 69x114 feet, 1 story, cement, tile, built up asbestos roof, cement, wood block floors, painting, waterproofing and dampproofing, ornamental iron work, iron stairs, bond, steel and kalamein doors, rolled steel skylights, tile and marble, terrazzo work, metal lath, caissons piles, pile driving, metal toilet partitions, metal corner beads, rubber tile floors, the following on separate contract, plumbing, electric work, sprinkler system, steel sash, steel sash operators, (structural steel work reserved). Architect taking bids, due August 5th.

Church (add.), Toledo, Ohio. Architect, Chas. Bolton & Son, Schaff Bldg., Philadelphia. Owner, Grace Reformed Church, C. T. Schwab, care of Jennison Wright Co., Toledo, Ohio, (Chairman of Building Committee.) Stone, 1 story. Owner taking bids.

Miscellaneous Contracts Awarded

Women's College Building, Durham, N. C. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Duke University, Durham, N. C. Brick, cut stone, concrete, steel, steam heat, electric light, metal lath, tile and marble work, terrazzo work, rolled steel skylights, hollow metal doors, bond, ornamental iron work, iron stairs, green slate, slag, tile roof, cement and oak floors, metal book stacks, kitchen equipment, refrigeration plant, refrigerators, plumbing, flagstone, limestone, granite membrane waterproofing, dumbwaiter, painting and glazing, hardware, wrought iron pipe, Auditorium, 1 story and basement, 98x87 feet, Union Building, 2 stories 178x112 feet Class Room Building, 2 stories and basement, 178x48 feet. 2 wings 51x33 feet, Apartment House Building, 3 stories and basement, 178x56 feet, wing 62x27 feet. Contract awarded to Geo. A. Fullea, Morris Building, Philadelphia.

Church, Saranac Lake, New York, \$125,000. Architect, Charles W. Bolton & Son, Schaff Building, Philadelphia. Owner,

First Methodist Episcopal Church, Saranac Lake, N. Y. Stone, 1 story, 100x60 feet, slate roof, steam heat. Contract awarded Branch and Callana, Saranac Lake, N. Y.

Schools (alts.), Nos. 9, 10 and 24, Wilmington, Del. Architect, E. Miller, New York City. Owners, Delaware School Auxiliary Assn., DuPont Building, Wilmington, Del. General alterations and repairs. Contract awarded to C. J. Dougherty, 2515 W. 18th Street, Wilmington, Del. \$12,000.

Residence, Wilmington, Del. Architect, E. Wm. Martin, 2301 Spruce street, Philadelphia. Owner, Charles B. Holliday, on premises. Stone, cut stone, brick, stucco, 2½ stories, 41x20 feet, wing 14x17 feet, tile and tin roof, oak and pine floors, plumbing, wrought iron pipe, hot water heat, electric light, ornamental iron work, flagstone cork, composition, tile roof, integral waterproofing. Contract awarded Wm. M. Francis, West Chester, Pa.

School, Taneytown, Md. Architect, B. E. Starr, 9 N. 2nd street, Harrisburg, Pa. Owners, Board of Education of Carroll Co., M. S. Unger, Secty., Westminster, Md. Brick, 2 stories, 10 rooms, slag roof, pine floors, (heating, plumbing and electric work, separate bids) tile work. Contract awarded to E. E. Stuller, Taneytown, Md.

A SURVEY OF BRICKLAYERS' PRODUCTIVITY

BY ETHELBERT STEWART

United States Commissioner of Labor Statistics.

Early in 1923 the United States Bureau of Labor Statistics began an investigation of labor productivity or efficiency, in certain occupations in the building trades. Preparatory to this survey a conference of large building contractors and construction engineers from various cities of the United States was called. Elaborate questionnaires covering a large number of specific occupations and types of work were devised as the result of the conference.

The field investigation was conducted principally by special agent Paul H. Moncure of the United States Bureau of Labor Statistics, assisted occasionally by others of the Bureau's staff.

The investigation was commenced in Atlanta with the idea that it could be begun early in the year in a southern city. Atlanta was therefore the "try-out" city. This explains the large number of schedules from there as compared with other localities. The conference agreement was that not less than five schedules should be secured from each city of the sections of the study.

This being pioneer work, it was not expected that all details called for by the conference questionnaire could be readily secured from every building contractor; but making allowances for this, the "Try-out" was discouraging. Only new work was considered. At the very outset, carpentry work on frame buildings had to be abandoned, as there was no well defined unit of production.

As the investigation progressed from city to city it was found that in almost every line, local styles and types of mate-

rials used made it necessary entirely to abandon certain points of inquiry. For instance, while bricklaying was covered in fifteen cities, roofing was scheduled in only ten localities, and painting in only four. Painting was abandoned because it became more and more difficult to follow up the new work and because its various color schemes on some houses prevented the agents from getting adequate samples of straight way work. Composition roofing was found to be prevalent in some cities, and almost unknown in others, with the result that it was necessary to confine the study practically to bricklaying and pick up such other information from time to time and from place to place as could be obtained.

Notwithstanding the persistence of articles and interviews in newspapers and trade journals about relative inefficiency of labor as compared with former years, this bureau was unable to find a single building contractor, superintendent or foreman who had a record of work done per man hour on the jobs in progress or on any former job. It was necessary, therefore, for the agents of the bureau to locate building projects just begun or just about to begin and make arrangements with the responsible contractor to have the actual time of the men kept for the purposes of this report; and not only that, but to follow up each job day by day to see that the record was being kept.

Whatever interest the subject may have for interviewing purposes, it must be stated that the men coming in direct contact with the building work have very little interest in the time cost of occupations or trades in the building industry. I am publishing the material collected by the bureau for what it is worth as representing the pioneer attempt to secure the actual facts through impartial sources.

Bricklaying

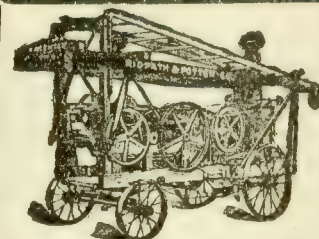
The instruction to the agent was to secure the bricklaying time and labor cost per 1000 common bricks laid in a straight away wall without opening. This would seem to be a simple matter, but it was found that brick houses, so common a generation ago, are very difficult to find. Structures of hollow tile, of concrete and frame work, and of steel are being faced with face brick; but obviously those are too particularized in their plans, particularly as to the brick finishing part, that this work cannot be considered as ordinary bricklaying; and solid brick walls are very difficult to locate. In other words, the bricklaying of today is for the most part very different from what it was twenty years ago or even fifteen years ago.

However, it was possible to find at least five new jobs in each city visited on which common brick were being laid in straight away walls of sufficient dimen-

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sion to justify taking schedules for them. The original questionnaire covered the question as to whether the bricklayer had to build his own scaffold; but as this was not found to be true in any case, it has been eliminated from tabulation. Another question referred to the placing of brick and mortar for the bricklayer, as for instance, foot level, waist level, etc. As the bricklayer was required to pick up the brick from his own foot level in every case scheduled except two, this has also been eliminated.

The highest labor cost per 1,000 brick in the wall (\$14.47) was found in Indianapolis, where an average rate of \$1.37 per hour resulted in a labor productivity of 95.7 brick per man per hour. It should be understood that this money cost is for bricklaying only.

The lowest average cost per 1,000 brick in the wall was found in Birmingham, where an average pay of \$1.16 an hour resulted in a productivity of 241 brick per man per hour.

The matter of trade union application of the workmen is shown, where such conditions were found, in the detailed table. Unionism appears to have had very little influence in a given trade in a given locality so far as bricklaying is concerned. For instance, eight of the establishments covered in Atlanta used union labor only. The average rate per hour was \$1.20. The average productivity on those eight jobs was 243.9 bricks per hour, with a money cost of \$5.50 per 1,000 brick in the wall. There were nine non-union jobs with an average of 97 cents an hour, a productivity of 142.9 brick per hour per man, and a labor cost of \$6.90 per 1,000 brick in the wall. There were six mixed groups, that is to say, both union and non-union men on the job—at an average hourly rate of \$1.05 per man, a productivity of 169.4 brick per man per hour, and a labor cost of \$6.44 per 1,000 brick in the wall.

In Chattanooga, nine union and two non-union jobs were scheduled. The union plans had an average rate of \$1.50 per hour, and productivity of 214 bricks per man per hour, and a labor cost of \$7.30 per 1,000 brick in the wall. The two non-union jobs paid an average of \$1.32 per hour and had a labor productivity of 280.8 bricks per man per hour and a labor cost of \$4.81 per 1,000 brick in the wall.

In Norfolk, the eight union jobs scheduled paid an average of \$1.37½ per hour and had a productivity of 219 brick per hour in the wall and a labor cost of \$6.38 per 1,000. In the case of non-union jobs the rate per hour was not obtainable and hence the cost per 1,000 brick in the wall could not be derived. The productivity per man per hour was 282.4 brick.

In Chicago 10 union jobs were scheduled paying an average of 1.56 per hour,

with a productivity of an average of 161.9 brick per man per hour and a labor cost of \$10.28 per 1,000 brick in the wall. Three strictly non-union jobs were scheduled, paying \$1.52 per hour and having a productivity of 128.6 brick per man per hour and a labor cost of \$12.15 per 1,000 brick in the wall. There were eleven jobs scheduled operating under the Landis Award, which permits the employment of either union or nonunion men. The average pay was \$1.60 per hour and the productivity was 159.7 brick per man per hour; the labor cost was \$10.48 per 1,000 brick in the wall.

In Atlanta the average number of brick laid per 8 hours was found to be 1,482.4 on the 23 jobs investigated. On 10 similar jobs in Indianapolis the average number of brick laid per day was 765.6 and in Minneapolis and St. Paul 1,545.6 brick were laid per man per day on 21 jobs. In other words, it was found that in the two cities in which open shop bricklayers did a percentage of the work the average efficiency of both organized and

unorganized labor was double that found in at least one city in which union labor has control. The reports from other places seem to bear out this generalization.

Strange to relate, the difference in efficiency found on the jobs in the same city was no greater than the difference in the average productivity of all the jobs in some different cities. While in localities in which work is done extensively on the open shop basis, the men on non-union jobs in such localities did not show any noticeable superiority over those on the organized operations. Perhaps the open shop mechanics set the pace and the union men on other jobs worked just as fast or a little faster, if possible.

In the strictly closed shop towns are found the lowest output and the highest cost for brick work. A lack of variation in performance also exists, which might indicate artificial control of work done. At any rate, it appears from the evidence gathered through this unbiased source that the open shop tends to heighten the productivity of bricklayers.

City	Number of Schedules	Average Rate of Pay Per Hour	Number of Brick Laid Per Hour	Cost Per Day of Eight Hours	Cost Laying 1,000 Bricks
Atlanta Ga.	23	\$1.05	183.3	1482.4	\$ 6.30
Birmingham, Ala.	8	1.16	241.0	1928.0	4.82
Chattanooga, Tenn.	11	1.46	226.1	1808.8	6.85
New Orleans, La. ...	7	1.01	203.5	1628.0	5.11
Norfolk, Va.	10	1.37½	231.8	1854.4	6.38
Boston, Mass.	5	1.25	97.7	781.6	12.94
New York City	12	1.76	157.6	1260.8	11.69
Philadelphia, Pa.	14	1.53	123.3	986.4	12.65
Chicago, Ill.	24	1.57	156.8	1254.4	10.60
Cincinnati, O.	10	1.43	131.5	1052.0	11.47
Cleveland, Ohio	14	1.50	147.8	1182.4	10.55
Denver, Colo.	18	1.50	212.4	1699.2	7.58
Detroit, Mich.	15	1.54½	154.0	1232.0	10.44
Indianapolis, Ind.	10	1.36 4/5	95.7	765.6	14.47
Minneapolis and St. Paul	21	1.21 1/10	193.2	1545.6	6.84

CRUSHED LIMESTONE AND TILE WASTE GOOD FOR CONCRETE

Good concrete can be made from crushed limestone or hollow tile waste, the Bureau of Standards, Department of Commerce, finds. The only drawback to the use of such material is the angularity of the pieces, which makes the concrete flow less readily and makes it harder to handle by the methods used in large construction enterprises. This drawback can be remedied by oversanding, the Bureau believes.

Large quantities of waste material accumulate around quarries producing dressed limestone, and the same is true of plants manufacturing hollow tile. An investigation was undertaken by the Bureau of Standards to see if this material could not be used for concrete. Test cy-

linders were made up, using several standard proportions, and using as the coarse aggregate limestone in some of the cylinders, crushed tile in others, and Potomac river gravel in others. The other conditions were made as nearly the same as possible. In the tests the limestone concrete proved slightly weaker than the gravel, and the tile concrete about one-fourth stronger.

A certain wallboard man advertised in the Guide for awhile and then dropped out. We've had a dozen inquiries since then, asking for his address—every inquiry from a cash buyer. This is a common occurrence. It's hard to make some advertisers see the vital importance of a standing "ad."

Reference Directory for Architects, Builders and Owners

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August 5, 1925

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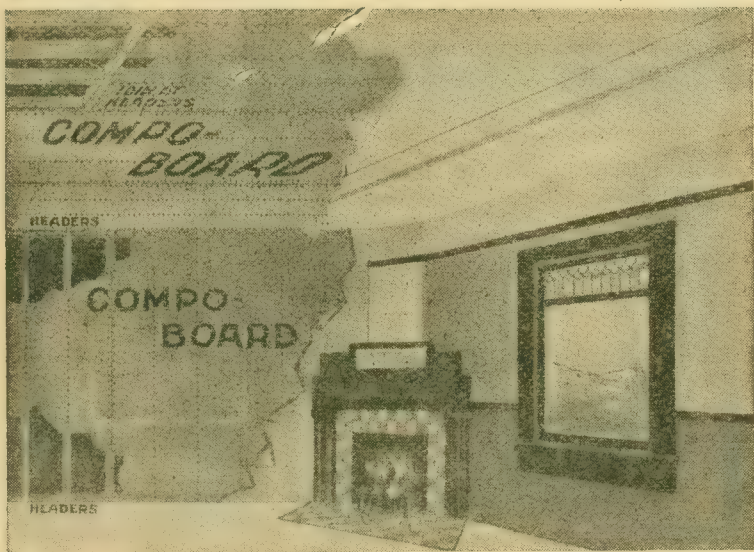
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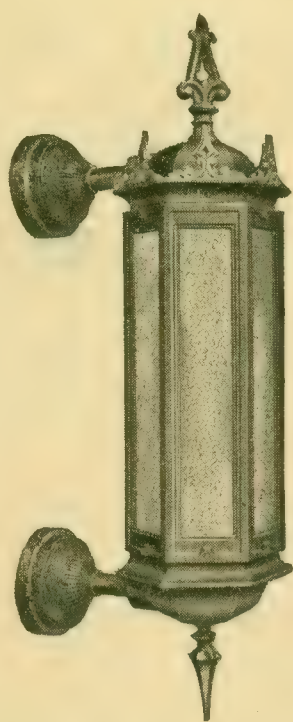
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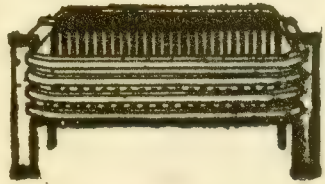
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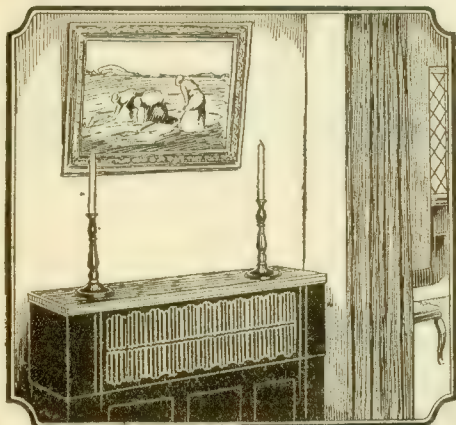
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VOLUME XL
Number 31

PHILADELPHIA
August 5, 1925

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS;

CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Hospital, Eighth, Thompson and Franklin streets, Philadelphia. Architect, Amos W. Barnes, Perry Building, Philadelphia. Owners, Children's Homeopathic Hospital, on premises. Brick, stone, steel, concrete. Architect will take new bids in a few days.

Residences (10), north side of Haworth street, east of Glenlock and northeast corner, \$5,000 each. Architect, private plans. Owner, J. Jos. McHugh, 1617 Race street, Philadelphia. Brick, two stories, 14x32 feet, hot water heat, electric light, slag roof, hardwood and pine floors. Owner will build.

Residences (2), south side of Price street, west of Crittenden street, Philadelphia, \$6,000 each. Architect, private plans. Owner, Jos. G. Piscitelli, 6622 Stenton avenue, Philadelphia. Brick, two stories, 16x48 feet, hot water heat, hardwood and pine floors, electric light. Owner will build.

Residence (add. and alts.), 2125 Fitzwater street, Philadelphia, \$5,000. Architect, private plans. Owner, Frank Brown, Jr., 5816 Haverford avenue, Philadelphia. Brick, two stories, 14x31 feet, 10x15 feet, general alterations. Owner will build.

Residence (add.), 717 South Tenth street, Philadelphia, \$4,000. Architect, private plans. Owner, C. Federico, on premises. Brick, three stories, 15x17 feet, slag roof, pine floors. Owner will build.

Bungalow and Garage, Eleventh street below Medary avenue, Philadelphia. Architect, Edwin L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, I. Gluck, 623 Market street, Philadelphia. Brick and stucco, 1½ stories, 50x50 feet, Spanish tile roof, hardwood floors, hot water heat, electric light, tile and marble, cement work. Plans completed.

Banking House, 1606 Walnut street, Philadelphia. Architect, Arthur H. Brockie, 254

South Fifteenth street, Philadelphia. Owners, Townsend-Whelen Co., 505 Chestnut street, Philadelphia. Architect selected. Preliminary plans in progress.

Tennis Court, Erdenheim, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, George D. Widener, Erdenheim, Pa. Brick, stucco, 1½ stories, 184x71 feet, slag roof, shingle roof, oak and cement floors, metal lath, hot water heat, tile and marble, galvanized iron sash, painting, glazing, skylights, bond, bluestone, limestone, granite. New plans will be drawn. Architect will be ready for bids in six weeks.

Boiler House (add.), Margaret and James streets, Philadelphia. Architects, Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Blumenthal Brothers, on premises. Brick, steel, reinforced concrete, 4 stories, slag roof, cement floors, painting, glazing, roof ventilators, ornamental iron work, fire doors, rolled steel sash and skylights. Revised plans will be drawn.

Bank (alts. and add.), Northwest Corner Ninth and Main streets, Darby, Pa. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owners, Darby Bank, A. J. Gotshall, president, Darby, Pa. Stone, concrete, brick, hollow tile, cut stone, steel, ornamental iron, kalamein doors, carpentry, mill work, plastering, metal lath, marble and terrazzo, tile work, painting, glazing, composition floors, electric work, plumbing, tin roof. Revised plans in progress.

Dormitory, Chew and Penn streets, Philadelphia. Architects, Frank V. Nickles and Charles J. Mitchell, 15 South Twenty-first street. Owners, House of the Good Shepherd, Chew and Penn streets, Philadelphia. Stone, 3 stories. Plans in progress. Ready for bids in a few weeks.

Stores and Apartments (3), 542 South Fif-

ty-second street, Philadelphia. Architect, W. F. B. Koelle, Otis Building, Philadelphia. Owner, William J. McConnell, care of architect. Brick, 2 stories. Plans in progress.

Stores and Apartments, 4207-09 Lancaster avenue, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owner, care of architect. Steel, brick, stone, 3 stories, 38x46 feet 3 inches, slag roof, hardwood, maple and composition floors, metal ceilings, ornamental iron, iron stairs, metal bulks, bond, store fixtures, hollow metal skylights, tile and marble, metal lath, steam heat, electric light. Plans in progress.

Stores and Apartments, Southeast Corner Thirteenth and Susquehanna avenue, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owner, care of architect. Brick, steel, 3 stories, 16 feet 9 inches x 91 feet, slag roof, hardwood, maple and composition floors, ornamental iron, metal bulks, bond, store fixtures, hollow metal skylights, tile and marble, metal lath, steam heat, electric light. Plans in progress.

Store No. 350, Fifty-second and Chestnut streets, Philadelphia. Architects, Architectural & Engineering Department, Harold Holmes, manager, Detroit, Mich. Owners, S. S. Kresge Co., Detroit, Mich. Will be ready for bids about December 1st.

Shop Building, Powelton avenue, between Thirty-first and Thirty-second streets, Philadelphia. Architect, William Lowenthal, 1208 Chestnut street, Philadelphia. Owners, Pennsylvania Laundry, 321 North Twenty-second street, Philadelphia. Brick, 1 story, 38x90 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash, copper skylights. Plans in progress. Ready for bids in a few days.

Office Building, 1409-13-15 Arch street, Philadelphia. Architect, William G. Perry, 177

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State street, Boston, Mass. Owners, United Gas Improvement Co., Paul Thompson, vice-president, Broad and Arch streets, Philadelphia. Brick, steel, limestone, 13 stories and basement, 70x70 feet, slag roof, cement floors, elevators, steam heat, electric light, metal lath. Owners ready for general bids in two weeks. Site being cleared.

Garage, Eighteenth street, Lehigh avenue and Glenwood avenue, Philadelphia. Architect, private plans. Owner, J. Presper Eckert, Commercial Trust Building, Philadelphia. Brick, steel, 2 stories, 200-car capacity, slag roof, reinforced concrete floors, reinforced concrete ramp, steam heat, electric light. Owners taking sub-bids.

Stores (4) and Apartment Building (alts. and add.), Fifth and Somerville streets, Philadelphia. Architects, E. H. Silverman and Abraham Levy, Elrae Building, Philadelphia. Owner, Morris Stoumer, 220 South Fourth street, Philadelphia. General alterations. Architects will be ready for bids on revised plans in a few days.

Residences (3), Store (1), Southeast Corner Pratt and Edmund streets, Philadelphia. Architect, private plans. Owner, Harry Feldman, 905 Bailey Building, Philadelphia. Brick, 2 stories, 17x43 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Owner ready for sub-bids.

Bank Building (alts.), 2809 Germantown avenue, Philadelphia. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Mutual Trust Co., on premises. Travertine work, concrete, cement, stone, masonry, brick and hollow tile, cut stone, iron and steel, ornamental iron, carpentry and mill work, composition floors, plastering, hardware, plumbing, painting and glazing, marble work, terrazzo work, duraflex floors. Architects taking bids due August 10th.

Religious Educational Building, Levick and Palmetto streets, Lawndale, Philadelphia. Architects, Bureau of Architecture of Methodist Episcopal Church, 1701 Arch street. Owners, Lawndale Methodist Episcopal Church, Lawndale, Philadelphia. Brick, stone, cut stone, steel, limestone, 2 stories and basement, 83x102 feet, built-up and slate roof, rubber, linoleum and maple floors, steam heat, electric light, metal lath, marble and terrazzo work, metal sash, bond, ornamental iron, steel partitions, plumbing, Truseon waterproofing, wrought iron pipe. Architects taking bids due August 26th.

Schools (alts.), Philadelphia. Owners, Board of Education, Nineteenth street above Chestnut, Philadelphia. Alterations, repairs, heating, plumbing, general, ventilating, painting, outside, electric lighting, etc. Owners taking bids due August 11th at noon.

Garage and Factory, 1941 Lederly street,

Philadelphia. Engineer, Samuel Marshall, 1524 Chestnut street, Philadelphia. Owners, Buckley's Law and Real Estate, 1936 East Cumberland street, Philadelphia. Brick, steel, 2 stories, 65x42 feet, slag roof, cement floors, steam heat, electric light. Engineer taking bids due as soon as possible.

Grading, Contract No. 102, Philadelphia. District engineer, Richard Mather, 1310 Baltimore & Ohio Building, Baltimore, Md. Owners, Baltimore & Ohio Railroad, H. A. Lane, chief engineer, 1302 Baltimore & Ohio Building, Baltimore, Md. Grading Snyder Avenue Yard and laying concrete base for permanent tracks across Snyder avenue at Valdia street. Plans and specifications may be obtained at District Engineer's office. Owners taking bids due August 10th at noon (Standard Time).

Building (alts. and add.), 409 Pine street, Philadelphia. Architects, Rehfuß & North, 1709 Sansom street, Philadelphia. Owner, Benjamin N. Rosoff, Fourth and South streets, Philadelphia. Brick work, cement work, electric work, carpentry, mill work, oak and yellow pine floors, painting, glazing, hardware, hot water heat, iron work, marble work, plastering, plumbing, tile work, slag roof. Architects taking bids.

New Infirmary Building and Addition to Nurses' Home, Roosevelt Boulevard and Summerdale street, Frankford, Philadelphia. Architects, Morris & Erskine, 1716 Cherry street, Philadelphia. Owners, Friends' Hospital, Roosevelt Boulevard and Summerdale avenue. Brick, cut stone and steel, 1 story and basement and 3 stories and basement, 32x18 feet, nurses' home, 37x77 feet, gray slate roof, cement, yellow pine and linoleum floors, metal weather strip, architectural terra cotta, ornamental iron work, bond, kalamein doors, tile, marble and terrazzo, metal lath. Architects taking bids due August 10th.

Tabernacle, 1608 West Allegheny avenue, Philadelphia. Architect, H. G. Hammer, 1716 Spring Garden street, Philadelphia. Owners, Berachah Tabernacle, Rev. O. R. Palmer, 2244 North Twenty-ninth street, Philadelphia. Brick, cut stone, stone, 1 story, balcony and basement, 100x61 feet, slag roof, cement and North Carolina pine floors, steam heat, electric light, metal lath, ornamental iron work, limestone, plumbing, wrought iron pipe, rolling steel doors, mineral floors, art metal work. Architect taking bids due August 7th.

Exposition Building No. 1, Broad and Packer avenue, Philadelphia. City architect, John Molitor, Bankers' Trust Building, Philadelphia. Owners, Sesqui-Centennial Exposition, care of Col. D. C. Collier, Fifth and Chestnut streets, Philadelphia. Structural steel, metal lath, stucco, 1 story, 970x392 feet,

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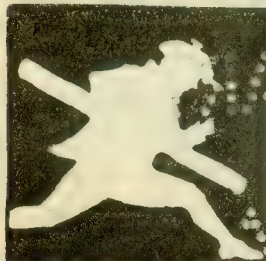
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Factory, Ninth and Columbia avenue, Philadelphia. Architect, Alfred Freeman, 29 West Thirty-fourth street, New York City. Owners, Bayuk Cigar Co., Third and Spruce streets, Philadelphia. Reinforced concrete, brick, steel, 10 stories and basement, 104x316 feet, slag roof, cement floors, elevators, ornamental iron work, rolled steel sash, steam heat, electric light. Architect taking bids.

Supplies, Philadelphia. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Furnishing office furniture and steel lockers. Owners taking bids due August 11th at 10 A. M. (Standard Time). Certified check for 5 per cent. required.

Warehouse, 16 and 18 South Marshall street, Philadelphia. Architect, private plans. Owners, A. S. Datz & Son, 142 North Front street, Philadelphia. Reinforced concrete, 7 stories and basement, 63x36 feet, slag roof, cement floors, elevators, ornamental iron, sprinkler system, Peele doors, steel sash and skylights, steam heat, electric light, steel partitions. Roydhouse-Arey Co., 112 North Broad street, Philadelphia, taking sub-bids due as soon as possible.

Stable (alts.) to Laundry, Forty-eighth and Ludlow streets, Philadelphia. Architect, William Lowenthal, 1208 Chestnut street, Philadelphia. Owners, Quaker City Laundry Co., C. H. Kendrick, Forty-eighth and Ludlow streets. Brick, steel, 2 stories and basement, 40x32 feet, slag roof, composition, cement and maple floors, plumbing, painting, glazing, ornamental iron work, rolled steel sash (heating and electric work separate). Architect taking bids due August 11th.

Residence, Henry and Coulter streets, Germantown, Philadelphia. Architect, Henry H. King, 6752 Germantown avenue, Philadelphia. Owner, Edgar E. Wikoff, 6200 Baynton street, Philadelphia. Brick, stone, 2½ stories and basement, 44x25 feet, blue gray slate roof, oak and yellow pine floors, metal weather strip, ornamental iron work, bond, tile and marble, metal lath, electric light, ornamental plaster, plumbing, wrought iron pipe. Architect taking bids due August 6th at 5 P. M.

Residence, private plane North of Allen's lane, Chestnut Hill. Architect, Robert Rodes McGoodwin, Sixteenth and Walnut streets, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Stone, 2½ stories and basement, 32x45 feet, slate roof, oak and yellow pine floors, hot water heat, electric light. Architect taking bids due August 6th.

Theatre Building, Ogontz avenue near Cheltenham avenue, Philadelphia. Architects, asso-

ciate, Magaziner, Eberhard & Harris, 603 Chestnut street, and Hoffman-Henon Co., Finance Building, Philadelphia. Owners, Ogontz and Church Lane Realty Co., care of Architect. Brick, steel, 2 stories and 3 stories. Architects taking bids due August 10th at 10 A. M.

Swimming Pool and Bath House, Twenty-sixth and South streets, Philadelphia. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, City of Philadelphia, Department of Public Welfare, 595 City Hall. Low bidders: Conneen Const. Co., 2315 Walnut street, Philadelphia, \$32,972; McCormick-Lenham Co., 2403 South Broad street, Philadelphia, \$33,518. Plumbing, Fred Wackenhut, 2416 Frankford avenue, Philadelphia, \$3,140. Electric, Harry W. Hart, 7010 Dittman street, Philadelphia, \$990.

Sewers, Philadelphia. Owners, City of Philadelphia, Department of Public Works, City Hall, Philadelphia. Schedule "A," Main Sewers. Lowest bidders: Wingohocking street, Adolph Jaffola, Eighty-third and Eastwick avenue, Philadelphia, \$521,414; Colgate street, Pacifico Ventresco, 6325 Chew street, Philadelphia, \$63,830.90.

Sewers and Necessary Grading, Philadelphia. Owners, City of Philadelphia, Department of Public Works, City Hall, Philadelphia. Low bidders: Packer avenue, Broad to Tenth street, J. J. McHugh, 1617 Race street, Philadelphia, \$77,101.02; Twentieth street, Packer street to Patterson street, Pennsylvania Eng. & Const. Co., Real Estate Trust Building, Philadelphia, \$72,664; Patterson street, Broad to Tenth, J. Joseph McHugh, 1617 Race street, Philadelphia, \$52,792.91; Patterson street, Tenth to Seventh, and Seventh street, Patterson street to Johnson street, J. Joseph McHugh, 1617 Race street, Philadelphia, \$66,740.30.

Printing Plant, 3640-44 Market street, Philadelphia. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Engineer, Louis Milhousen, 10 South Eighteenth street, Philadelphia. Owners, McCalla & Co., Inc., 237 Dock street, Philadelphia. Brick, reinforced concrete, 2 stories, 100x57 feet, slag roof, maple floors, steam heat, electric work. F. A. Havens Co., 845 North Nineteenth street, Philadelphia, will build.

Hospital Building, Thirty-fourth and Pine streets, Philadelphia. Architect, Philip H. Johnson, 1713 Sansom street, Philadelphia. Owners, Department of Public Property, Bureau of Health and Charities, Dr. W. G. Krusen, City Hall, Philadelphia. Low bidders: F. W. Mark Const. Co., Commercial Trust Building, Philadelphia, \$3,473,221; omission for Women's Nervous Ward, \$338,966; omission for Administration Building, \$382,360; Roberts & Roller, 1904 Sansom street, Philadelphia, \$3,540,000; omission for Women's Nervous Ward, \$325,000; omission for Admin-

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istration Building, \$380,000. Plumbing: N. Connolly, 1404 North Eighteenth street, Philadelphia, \$334,000; omission for Women's Nervous Ward, \$21,900; omission for Administration Building, \$23,900. Heating: W. M. Anderson, 600 Schuylkill avenue, Philadel-

phia, \$518,345; omission for Women's Nervous Ward, \$39,200; omission for Administration Building, \$33,000. Electric work: Ross Electric Const. Co., Inc., 106 Fairmount avenue, Philadelphia, \$274,000; omission for Women's Nervous Ward, \$12,700; omission for Administration Building, \$21,500.

Pumping Station Building (alts.), Rising Sun avenue, Thirty-fifth Ward, Philadelphia. Owners, City of Philadelphia, Department of Public Property, 216 City Hall. General construction Wentz Farm Pumping Station Building, heating, water supply, plumbing, drainage work. Low bidders: Joseph W. McHugh, Cynwyd, Pa., \$2,090. Heating, Keystone State Piping & Equipment Co., 2849 Germantown avenue, Philadelphia, \$1,785. Plumbing, Louis J. Sommer & Son, 2436 Brown street, Philadelphia, \$1,119.

Residences (53), Poplar, Corinthian and Woodstock streets, \$268,400. Architect, private plans. Owner, George A. Nahm, 2736 West Girard avenue, Philadelphia. Brick, 2 stories, 16x42 feet, hot water heat, slag roof, electric light, pine floors. Owner will build.

Residences (10), Residences and Offices (2), 544 Spruce street and Irving street, \$96,500. Architect, private plans. Owner, Joseph K. Seidle, 5213 Chestnut street, Philadelphia. Brick, 2 stories, 18x42 feet, 16x40 feet, hot water heat, slag roof, electric light, hardwood and pine floors. Owner will build.

Residences (25), North side Dicks avenue, Sixty-fifth, Sixty-sixth streets, \$91,200. Architect, private plans. Owners, R. D. & J. N. Wilson, 1530 South Fifty-seventh street, Philadelphia. Brick, 2 stories, 16x31 feet, slag roof. Owners will build.

Garage, Southwest Corner Wayne avenue and Tulpehocken street, Philadelphia, \$7,000. Architect, private plans. Owners, Atlas Const. Co., North American Building, Philadelphia. Brick, 1 story, 242x20 feet. Owners will build.

Residences (4), 3200-02-04-06 Unruh street, Philadelphia, \$4,000 each. Architect, private plans. Owner, Roy Lippincott, 3117 Disston street, Philadelphia. Brick, 2 stories, 16x39 feet, hot water heat, slag roof, pine floors, electric work. Owner will build.

Garage, 2851 Ruth street, Philadelphia, \$3,000. Architect, private plans. Owner, H. Moskovitz, 1825 East Cambria street, Philadelphia. Brick, 1 story, slag roof, cement

floors, 116x14 feet 4 inches. Owner will build.

tenement (alts.), 134 West Mt. Pleasant avenue, Philadelphia, \$2,000. Architect, private plans. Owner, B. Waerike, 5218 Germantown avenue, Philadelphia. General alterations. Owner will build.

Residences (4), 413-419 Courtland street, Philadelphia, \$4,000. Architect, private plans. Owner, Joseph O'Vany, 7515 Lawndale avenue. Brick, 2 stories, 16x24 feet, 12x8 feet, hot water heat, slag roof, pine floors, brick. Owner will build.

Shop (add.), 1323 Fairmount avenue, Philadelphia, \$3,000. Architect, private plans. Owner, Charles E. Monday, 1324 Olive street, Philadelphia. Brick, 2 stories, 17x49 feet, slag roof, pine floors, electric work. Owner will build.

Store and Residence (add. and alts.), 2049 South street, \$3,000. Architect, private plans. Owner, N. Nostroff, 400 Roslyn avenue, Glenside, Pa. Brick, 1 story, 13x19 feet 6 inches, general alterations. Owner will build.

Garage, 2715 Oxford street, Philadelphia, \$2,300. Architect, private plans. Owner, J. Jacobs, Northwest Corner Twenty-ninth and Oxford streets, Philadelphia. Brick, 1 story, 15x38 feet, slag roof, cement floors. Owner will build.

Store (add.), 600-02 North Second street, Philadelphia, \$40,000. Architect, private plans. Owner, L. Jaffe & Sons, on premises. Brick, 3 stories, 50x57 feet, pine floors, slag roof. Owners will build.

Residences (20), 1120-58 Woodlawn avenue, (6) 6232-42 Wister street, (20) 5500-22, 5505-19 Godfrey avenue, \$173,200. Owner, Frank H. MacDonald, Southwest Corner Seventeenth and Sansom streets, Philadelphia. Brick, 2 stories, 15x35 feet, hot water heat, slag roof, electric light. Owner will build.

Residence, Northwest Corner Clearview and Sedgwick street, Philadelphia, \$15,000. Architect, private plans. Owner, Ellwood Wentz, 6827 Sprague street, Philadelphia. Stone, 3 stories, 43x27 feet, 18x11 feet, hot water heat, hardwood and pine floors, electric light. Owner will build.

Residence, Southeast Corner Ninety-first and Tincum avenue, Philadelphia, \$4,000. Architect, private plans. Owner, A. Olgein, 9115 Tincum avenue, Philadelphia. Brick, 2 stories, 17x44 feet, pipeless, slag roof, pine floors, electric work. Owner will build.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Apartment House (add.), Wissahickon avenue, north of School Lane, \$50,000. Architect, private plans. Owner, Alden Park Manor, care of builder. Concrete, one-story addition, 40x200 feet, 40x64 feet, concrete roof, electric light, steam heat. Contract awarded to K. M.

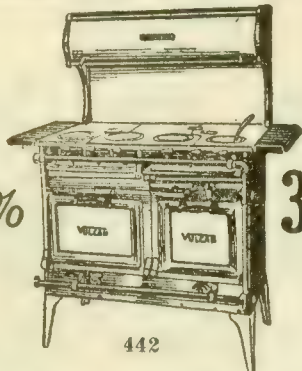
DeVos & Co., Wissahickon and Cheltenham avenues.

Residence, north side of Afton street, west of Bustleton avenue, Philadelphia, \$7,000. Architect, private plans. Owner, Harry Radcliffe, on premises. Frame, two stories, 26x44 feet, hot water heat, electric light, shingle roof, hardwood floors and pine. Contract awarded to Geo. Radcliffe, 432 East Moyer street, Philadelphia.

Residence and Store (alts.), 2165 North Eleventh street, Philadelphia. Architect, private plans. Owner, D. Raskofsky, on premises. General alterations. Contract awarded to M. Kopolovitz, 2421 South Darien street, Philadelphia.

Library (interior finish), Nineteenth, Twentieth, Wood to Vine streets. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, City of Philadelphia, Librarian J. Ashurst, Thirteenth and Locust streets. Brick, hollow tile, cut stone, granite, limestone, fireproofing, cement floors, integral

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waterproofing, structural steel, iron stairs, iron work, vault doors, bronze work, carpentry, mill work, metal lath. Contract awarded to F. W. Mark Const. Co., Commercial Trust Building, Philadelphia, \$2,417,241.

Hosiery Mill (add.), Fifth and Luzerne streets, Philadelphia. Architect, private plans. Owners, Apex Hosiery Co., on premises. Reinforced concrete, brick, 6 stories and basement, 154x95 feet, built-up roof, cement floors, elevators, plumbing, steam heat, rolled steel sash, kalamein doors, ornamental iron, cast stone, elevator doors, sprinkler system, Byers or Reading wrought iron pipe. Contract awarded to White Const. Co., Jefferson Building, Philadelphia.

Store Building (alts. and add.), 24 South Eighteenth street, Philadelphia. Architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owner, Benjamin Hoffman, Land Title Building, Philadelphia. Plumbing, brick work, cut stone, mill work, carpentry, plastering, painting, glazing, ornamental iron, steam heat, electric light. Contract awarded to John Schnabel, Denekla Building, Philadelphia.

Stores (5), Apartments (7), Southwest Corner Twentieth and Green streets, Philadelphia. Architects, The Penwood Co., 131 North Fifteenth street, Philadelphia. Owner, Herman Rogal, Twenty-first and Mt. Vernon streets, Philadelphia. Brick, steel, 4 stories and basement, 20x107 feet, slag roof, oak and pine and maple floors, vapor heat, electric light, metal lath, tile work, ornamental iron work. Contract awarded to David Wittenberg, 1519 North Thirty-third street, Philadelphia.

Fire Repairs, 2711 North Broad street, Philadelphia. Architect, private plans. Owners, Miller North Broad Storage Co., Buell Miller, president, 2709 North Broad street, Philadelphia. Details undecided. Contract awarded to John N. Gill Const. Co., City Center Building.

Church and Manse, Fifty-fourth and Gainor road, Wynnefield, Philadelphia. Architect, Henry L. Reinhold, Jr., 1513 Walnut street, Philadelphia. Owners, Wynnefield United Presbyterian Church, Wynnefield, Pa. Stone, brick, cut stone, 1½ stories, 117x57 feet, manse, 2½ stories, 53x18 feet, steam heat, electric light, metal lath, built-up slate roof, composition, tile, pine and oak floors, painting, glazing, metal weather strip, metal lath, bond, ornamental iron work, art stone, plumbing, wrought iron pipe. Contract awarded to George Kessler Const. Co., 1733 North Marvine street, Philadelphia, but not yet signed.

Manufacturing Building (add.), Germantown avenue and Pastorious street, Philadelphia. Architect, Henry H. King, 6752 Germantown avenue, Philadelphia. Owners, James R. Kenrick Co., Inc., on premises. Brick, concrete, 4 stories and basement, 70x45 feet, tile and composition roof, maple, cement and composition floors, roof ventilators, architectural terra cotta, ornamental iron work, iron stairs, floor hardener, bond, hollow metal doors, rolled steel sash, plumbing, wrought iron pipe. Contract awarded to R. M. Peterson, 6 Queen Lane, Philadelphia.

Swimming Pool, Bethlehem pike, Chestnut Hill, Philadelphia. Architects, Mellor, Meigs & Howe, 205 South Juniper street, Philadelphia. Owner, Edward N. Benson, Chestnut Hill, Pa. Reinforced concrete, 24x40 feet, waterproofing, flagstone walks. Contract awarded to J. S. Cornell & Son, 1528 Cherry street, Philadelphia.

Junk Shop, 631 Addison street, Philadelphia, \$10,000. Architect, private plans. Owner, J. Appelens, 632 Pine street, Philadelphia. Brick, 3 stories, 18x80 feet, slag roof, pine floors. Contract awarded to P. Acampia, 1244 South Nineteenth street, Philadelphia.

Residence (add. and alts.), 4913 Monument road, Philadelphia, \$5,000. Architect, private

plans. Owner, George G. Graff, on premises. Stone, second story, 10x8 feet 6 inches, general alterations. Contract awarded A. Raymond Raff Const. Co., 1635 West Thompson street.

Tenement (alts.), 5145-47 Pine street, Philadelphia, \$5,000. Architect, private plans. Owner, R. Bass, 1601 North Thirty-third street, Philadelphia. General alterations. Contract awarded National Const. Co., 259 North Thirteenth street, Philadelphia.

Residences (69), Sanger, Loretta, Carver and Frontenac streets, Philadelphia, \$248,700. Architect, private plans. Owner, John T. Brooks, Jr., 1011 Chestnut street, Philadelphia. Brick, 2 stories, (63) 15x35 feet, (6) 16x40 feet, hot water heat, slag roof, electric light, pine floors. Contract awarded Fishman & Fort, 1011 Chestnut street, Philadelphia.

Building (alts.), Southeast Corner Thirteenth and South streets, Philadelphia, \$8,800. Architect, private plans. Owner, Charles Sorbin, 34 South Seventh street, Philadelphia. General alterations. Contract awarded B. Shestack, 6158 Locust street, Philadelphia.

Residence, North side Faunce streee, West Bustleton street, \$8,000. Owner, Henry O. P. Prince, 242 Ruscomb street, Philadelphia. Brick and frame, 2 stories, 30x35 feet, hot water heat, electric light. Contract awarded Irvin H. Bauer, Bustleton, Philadelphia.

Garage, West side Woodstock street, South Cambria street, Philadelphia, \$5,000. Architect, private plans. Owner, Louis Mohr, 2019 West Somerset street, Philadelphia. Brick, 1 story, 36x76 feet, cement floors, slag roof. Contract awarded E. C. Ficke, 2437 West Hilton street, Philadelphia.

Residence (add. and alt.), 4922 Germantown avenue, \$4,450. Architect, private plans. Owners, Jost Brothers, 4817 Germantown avenue, Philadelphia. Brick, 1 story, 17x66 feet, general alterations. Contract awarded to J. Roman, 414 Bringhurst street, Philadelphia.

Garage, West side Emerald street, North Huntingdon street, \$3,000. Architect, private plans. Owner, P. J. Connolly, Southeast Corner Fifth and Allegheny avenue. Brick, 1 story, irregular shop, cement floors, slag roof. Contract awarded to M. K. Adams, 3232 North Reese street, Philadelphia.

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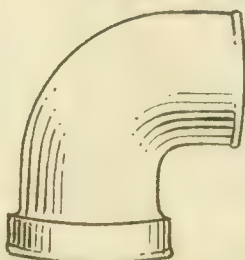
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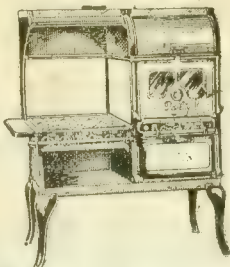
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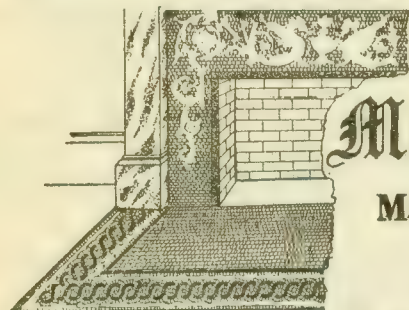


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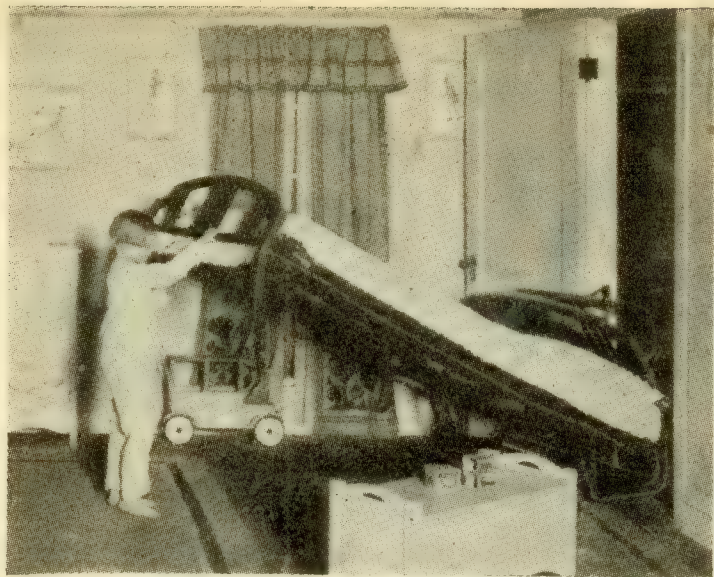
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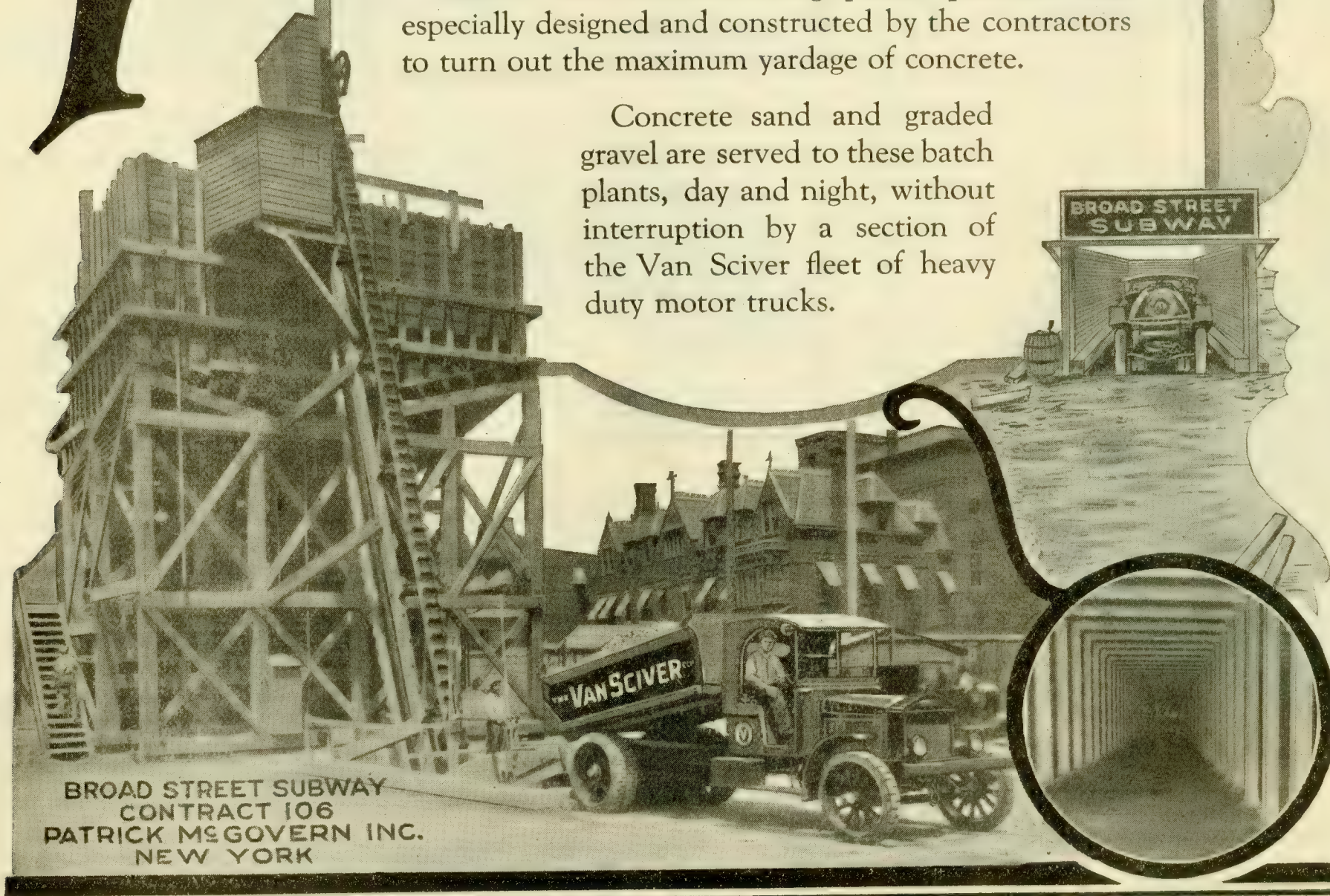
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Contractors' and Builders' Supplies

Store and Residence (add. and alts.), 3934 West Girard avenue, \$2,850. Architect, private plans. Owner, Leon Morris, 3932 West Girard avenue, Philadelphia. Brick, 1 story, 15x9 feet, general alterations. Contract awarded to M. Singer, 4 Snyder avenue, Philadelphia.

Store and Residence (add. and alts.), 3655 Woodland avenue, Philadelphia, \$6,900. Architect, private plans. Owner, A. Sarnesi, on premises. Brick, 1 story, 15x6 feet 6 inches, general alterations. Contract awarded to William E. Hale, 1516 Summer street, Philadelphia.

Residences (2), South side Highland avenue, West Shawnee, and Southwest Corner, \$6,250 each. Architect, private plans. Owner, Bessie Miller, Glenside, Pa. Brick, 2 stories, 16x53 feet, hot water heat, electric light, slag roof. Contract awarded Charles E. M. McClure, 3110 Rhawn street.

Residence, West side Bustleton avenue, South Faunce street, Philadelphia, \$5,500. Owner, Henry Weiland, 4607 Ella street, Philadelphia. Brick and frame, 2 stories, 24x49 feet, hot water heat, electric light. Contract awarded Irvin H. Bauer, Bustleton avenue and Rhawn street.

Store and Storage (alts.), 2921-23 North Fifth street, \$6,000. Architect, private plans. Owner, John Diegel, on premises. General alterations. Contract awarded Charles S. Schaefer, 112 South Sixteenth street, Philadelphia.

Workshop, 3729 North Second street, Philadelphia, \$4,550. Architect, private plans. Owners, Ruoff Const. Co., Second and Butler streets. Iron, 1 story, 50x150 feet. Contract awarded M. Moister & Co., Second and Bristol streets.

Synagogue (alts. and add.), 2107-13 North Broad street, Philadelphia. Architect, Edwin L. Rothschild, Bankers' Trust Building, Philadelphia. Owners, Adath Jeshurun Synagogue, on premises. Cement work, dampproofing, brick work, structural steel, tile work, hollow metal doors, hollow metal window, metal lath, plastering, carpentry, mill work, hardware, oil burning equipment, painting, glazing, electric work, plumbing, wrought iron pipe, steam heat, slag roof. Contract awarded to Doyle & Co., 1519 Sansom street, Philadelphia.

Garage, 5960 Drexel road, Philadelphia, \$4,000. Architect, private plans. Owner, Walter C. Douglass, Jr., on premises. Stone, 2 stories, 23x23 feet, electric light, slate roof. Contract awarded Stainer Brothers, 7216 Sellers avenue, Darby, Pa.

Residence, North side Brighton street, West Castor avenue, Philadelphia, \$5,000. Architect, private plans. Owner, I. I. Kalstein, 5028 Jackson street, Philadelphia. Frame, 2 stories, 31x38 feet, hot water heat, electric light, shingle roof. Contract awarded A. C. Kurtz, 2103 North Fourth street, Philadelphia.

Residence and Office (alts.), 3300 North Broad street, Philadelphia, \$4,500. Architect, Sol. Kaplan, 10 South Eighteenth street, Philadelphia. Owner, William A. Steel, M. D., on premises. General alterations. Contract awarded Thomas Matthew & Son, 2336 North Hancock street, Philadelphia.

Workshop, 1506-08 Cambridge street, Philadelphia, \$3,000. Architect, private plans. Owner, Charles Jerabik, 918 North Fifth street, Philadelphia. Brick, 1 story, 25x34 feet, slag roof, pine floors. Contract awarded W. H. Taylor, 2220 Mt. Vernon street, Philadelphia.

Residences (2), 7243-45 Montour street, \$4,000 each. Architect, private plans. Owner, F. S. Frey, 2526 West Hagert street, Philadelphia. Brick, 2 stories, 14x40 feet, hot water, electric light, slag roof, pine floors. Contract awarded S. Fred Hemmer, 1223 Cottman street.

Residence (add.), 629 North Sixteenth street, Philadelphia, \$2,000. Architect, private plans. Owner, A. J. Sullivan, 629 North Sixteenth street, Philadelphia. Brick, second story, 16x16 feet, slag roof, pine floors. Contract awarded Doyle & Co., 1519 Sansom street, Philadelphia.

Store (alt.), 104-06 South Thirteenth street, Philadelphia, \$2,000. Architect, private plans. Owners, Dr. Reed Cushion Shoe Co., on premises. General alterations. Contract awarded Harry R. Rust, 19 South Eighth street, Philadelphia.

Residence (alts.), 2338 South Broad street, Philadelphia, \$2,000. Architect, private plans. Owner, Paul Silver, 2312 South Seventh street, Philadelphia. General alterations. Contract awarded B. Cheskis, 6714 North Gratz street, Philadelphia.

Residence (add.), South side Locust street, West Twenty-fourth street, Philadelphia, \$2,000. Architect, private plans. Owner, J. H. Chadwick, on premises. Brick, 1 story, 18x17 feet. Contract awarded F. A. Havens Co., 845 North Nineteenth street, Philadelphia.

Store (alts.), Northeast Corner Twelfth and Chestnut streets, Philadelphia, \$9,000. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Stephen Girard Estate, Lafayette Building, Philadelphia. General alterations. Contract awarded to Smith-Hardican, 1809 Callowhill street.

Residences (2), 3413 and 3415 Higbee street, Philadelphia, \$7,000 each. Architect, private plans. Owner, Elmer Falk, 3417 Higbee street, Philadelphia. Brick, 2 stories, 17x41 feet 6 inches, hot water heat, electric light, hardwood and pine floors. Contract awarded Seely & Co., 1504 Locust street, Philadelphia.

Manufacturing Building (alts.), Southwest Corner Twenty-second and Race streets, Philadelphia, \$6,000. Architect, private plans. Owners, Carriage Factory, on premises. General alterations. Contract awarded to Turnbull & Cornell, 15 South Twenty-first street, Philadelphia.

Residence and Store (add. and alts.), 1405 South Broad street, Philadelphia, \$4,500. Architect, private plans. Owner, Gus Maseroli, 1501 South Twelfth street, Philadelphia. Brick, 1 story, 12x12 feet, general alterations. Contract awarded Frank Lucci, 1603 Ellsworth street, Philadelphia.

Residence, 3255 West Allegheny avenue, \$6,500. Architect, private plans. Owner, William Cooney, 3163 Ridge avenue, Philadelphia. Brick, 2 stories, 16 feet 4 inches x 30 feet, 12 feet 4 inches x 12 feet 6 inches, hot water heat, electric light, slag roof, hardwood floors. Contract awarded to H. A. Hopple, 221 Heed Building, Philadelphia.

Residence, 2600 Clementine street, Philadelphia, \$4,950. Architect, private plans. Owner, Stanley Cikota, 3045 Belgrade street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 38 feet, hot water heat, slag roof, electric work. Contract awarded S. Ozza, 3370 Salmon street, Philadelphia.

Residence (add.), 2766 Pratt street, Philadelphia, \$3,500. Architect, private plans. Owners, Bridesburg Presbyterian Church, on premises. Brick, 2 stories, 22x22 feet. Contract awarded to Edward T. Bender, 1135 Wakefield street, Philadelphia.

Residence (alts. and repairs), 1035 East Chelton avenue. Architect, private plans. Owner, Ida May Rubican, on premises. General alterations and repairs. Contract awarded L. E. Binnis, 5549 Germantown avenue, Philadelphia.

Residence and Store (alts.), 3416-18 West Allegheny avenue, \$2,500. Architect, private plans. Owner, Francis A. Coyne, Northeast Corner Twenty-fourth and Lehigh avenue, Philadelphia. General alterations. Contract

awarded Thomas J. Regan, 2406 West Lehigh avenue, Philadelphia.

Residence, Northeast Corner Roosevelt Boulevard and Lawrence street. Architect, private plans. Owner, Alex. Wecht, on premises. Brick, 2 stories, 15x10 feet, electric work, slag roof. Contract awarded to Watt Const. Co., 4826 North Leithgow street, Philadelphia.

Store and Storage (add. and alts.), Northeast Corner Juniper and Oregon avenue, \$2,500. Architect, private plans. Owner, N. Sabulsky, Northeast Corner Seventh and Porter streets, Philadelphia. Brick, 1 story, 15x10 feet, general alterations. Contract awarded to Benjamin Packer, 2435 South Fifth street, Philadelphia.

Residence (add. and alts.), 2644 Mercer street, Philadelphia, \$2,000. Architect, private plans. Owner, B. Dziezynsk, on premises. Brick, 2 stories, 16x16 feet, general alterations. Contract awarded to L. Di Smith, 3072 Agate street, Philadelphia.

Residence (add.), 2640 Cedar street, Philadelphia, \$2,000. Architect, private plans. Owner, Brennen, on premises. Brick, 2 stories, 10x21 feet, slag roof, electric work. Contract awarded F. Hasse, 2032 Margaret street, Philadelphia.

Apartment Houses (4) (alts. and add.), 5513-15-17-19 Woodland avenue, Philadelphia, \$5,500 each. Owners, Edelstein & Bernstein, 215 South Fifteenth street, Philadelphia. Brick, 1 story add., 16x17 feet, general alterations. Contract awarded to Clymer & Feldshey, 2407 South Marshall street.

Residences (2), West side Ryers, North Rhawn street, Philadelphia, \$4,000 each. Architect, private plans. Owner, E. S. May, 115 East Mentor street, Philadelphia. Brick, 2 stories, 16x49 feet, hot water heat, slag roof, pine floors. Contract awarded A. Haas, 4729 North Third street, Philadelphia.

Pennsylvania Construction News

Vault Work, Treasury Department, Harrisburg, Pa. Owners, Commonwealth of Pennsylvania, B. H. Boyd, Secretary, Department of Public Grounds and Buildings, Harrisburg, Pa. Owners taking bids, due August 18th at 11.30 A. M. Work to be completed in not more than 120 working days.

Residences (28), Darby, Delaware County, Pa. Architect-Engineer, M. M. Boonin, 17 South Seventeenth street, Philadelphia. Owner, Julius Berman, 6019 Market street, Philadelphia. Brick, two stories, garages in basements, 16x35 feet, slag roof, oak and pine floors, hot water heat, electric light. Owner ready for bids, due as soon as possible.

Residence and Three Car Garage, Llanerch Hill, Upper Darby Township, Pa. Architect, Engineer, M. M. Boonin, 17 South Seventeenth street, Philadelphia. Owner, Nathaniel Berman, 6036 Market street, Philadelphia. Concrete block and stucco, three stories, 54 feet 8 inchesx40 feet 6 inches, tile roof, oak floors, vapor heat, electric light, metal lath, tile work, waterproofing, metal weatherstrip, metal window guards, ornamental iron work. Owner taking sub-bids, due at once.

Masonic Temple, Pottsville, Pa. Architects, Muhlenberg Brothers, 511 Penn street, Reading, Pa. Owners, Pulaski Realty Co., Pottsville, Pa. Stone, limestone, brick, concrete, 6 stories and basement, 50x103 feet, concrete and maple floors, elevators, safety treads, roof ventilators, waterproofing and dampproofing, ornamental iron, iron stairs. Revised plans in progress.

Residence, Drexel Hill, Pa. Architect, H. G. Schoppe, 7531 Verree road, Philadelphia. Owner, name withheld. Frame, stucco, 2½ sto-

ries, 42x21 feet, cement tile roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Residence, Schuylkill Haven, Pa. Architect, Benjamin Rush Stevens, 1827 Arch street, Philadelphia. Owners, Schuylkill County Hospital for Mental Diseases, Schuylkill Haven, Pa. Brick, frame, 2½ stories. Plans about completed.

Township Building and Garage, Abington, Pa. Architects, Tilden & Register, 1520 Locust street, Philadelphia. Owners, Commissioners of Abington Township, Pa. Brick, steel, 2 stories, 103x41 feet. Bids due August 17th. Specifications not yet completed.

High School (add.), Abington, Pa. **Grade School**, Roslyn, Pa. **Auditorium and Gymnasium (add.)**, Willow Grove Heights, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Abington Township School Board, Glenside, Pa. Brick, stone, steel, 2 stories. Plans in progress.

Bank, Lebanon, Pa. Architects, The Griswold Building Co., 101 Park avenue, New York. Owners, Lebanon National Bank, Lebanon, Pa. Architects taking sub-bids and general bids due August 10th.

Colonial Residence (alts.), Glad-Wynne avenue and Gray's lane, Lower Merion Township, Montgomery County, Pa. Architects, Norman Hulme and John J. Dull, 1524 Chestnut street, Philadelphia. Owner, E. E. Cullen, Jr., 1524 Chestnut street, Philadelphia. Brick, 2 stories and basement, 19x15 feet, copper roof, brick work, iron work, carpentry, mill work, plastering, painting, glazing, hardware, electric work, oak and pine floors (heating reserved). Architects taking bids due August 6th.

Residences and Garages (2), Lots 206 and 251, Wynnewood, Pa. Architect, R. A. Kerns, 10 South Eighteenth street, Philadelphia. Owners, Wynnewood Realty Co., 10 South Eighteenth street, Philadelphia. (1) Stone and cinder block, 2½ stories, 80x29 feet, (1) stone, stucco, brick and half shingle, 2½ stories, 77x36 feet, slate roof, hardwood floors, hot water and vapor heat, electric light, tile work, marble, slate terraces. Owners will build.

Theatre, Stores and Apartments, City line and Bala avenue, Bala, Pa. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owners, Bala Theatre Co., Otis Building, Philadelphia. Brick, steel, 2 stories and basement, 202x60 feet, Spanish tile, asbestos built-up roof, cement, maple and composition floors, plumbing, roof ventilators, waterproofing, architectural terra cotta, ornamental iron work, iron stairs, bond, kalamein doors, galvanized iron skylights, rolled steel sash, tile, marble and terrazzo, metal lath, hot blast heating, electric lighting, incinerator, travertine, ornamental plaster, wrought iron pipe. Architects taking bids due August 6th.

Shop Building No. 2, Elizabethtown, Pa. Architect, E. A. Wightman, Bankers' Trust Building, Philadelphia. Owners, William Rankin Patton Memorial, Elizabethtown, Pa. Architect taking bids addressed to Trustees of Patton Memorial due August 18th at noon (Standard Time).

Residence and Garage, Moreh Tract, Elkins Park, Pa. Architects, Tilden & Register, 1520 Locust street, Philadelphia. Owner, J. C. Lowery, care of architects. Cinder block and stucco, 2½ ½ stories, 30x40 feet. Architects taking bids due August 12th at noon.

Stores (4) and Arcade, Narberth, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner, Harry J. Rittenhouse, Fifty-third and Vine street, Philadelphia. Concrete block and stucco, 1 story, 100x70 feet. Architects taking bids due August 10th.

Residence, Bryn Mawr, Delaware County, Pa. Architects, Willing, Sims & Talbutt, 126

South Eighteenth street, Philadelphia. Owner, Charles J. Rhoads, Villa Nova, Pa. Stone, 2½ stories and basement, slate roof, oak and pine floors. Architects taking bids due August 10th.

Road Work, Pennsylvania. Owners, Pennsylvania State Highway Department, Harrisburg, Pa. Low bidders:

Schuylkill County, R-162, S-1A, Tamaqua Borough, 3,460 feet. Either bituminous surface course on concrete foundations or one course reinforced concrete. Freeland Const. Co., Hazleton, Pa., \$48,696.70.

Cambria County, R-221, Sec. 3, A-2891, Elder Township, 13,508 feet. One course reinforced concrete. Paul Const. Co., Cresson, Pa., \$103,412.29.

Bradford County, R-241, Sec. 2, Tuscarora and Wyalusing Township, Wyalusing Borough, 26,925 feet. One course reinforced concrete. D. L. Dennis Co., Smethport, Pa., \$365,769.66.

Crawford County, R-271, Oil Creek Township, 1,763 feet. Either bituminous surface course on concrete foundation or one course reinforced concrete. F. L. White Co., Warren, Pa., \$22,491.70.

Monroe and Luzerne Counties, R-169, Sec. 2, Tobyhanna and Buck Townships, 11,193 feet. Grading and drainage. Bennett-Randall Co., Lebanon, Pa., \$63,295.75.

Butler County, R-79, Butler Township, 1,681 feet. One course reinforced concrete. A. R. Cooper, Idamar, Pa., \$19,011.95.

Beaver County, R-347, A-3145, Franklin Township, 7,565 feet. One course reinforced concrete. M. J. McMahon, Brookville, Pa., \$71,708.20.

Lehigh County, R-157, Sec. 3, A-3383, Lower Macungie and South Whitehall Townships, 15,414 feet. Either bituminous surface course on concrete base or one course reinforced concrete. Dalton Brothers, Paoli, Pa., \$130,359.48.

Luzerne County, R-169, Sec. 2, Bear Creek Township, 12,866 feet. Grading and drainage. William M. Moser, Mt. Carmel, Pa., \$41,761.72.

Blair County, R-47, Sec. 1, Duncansville and Newry Boroughs, Blair and Freedom Townships, 20,818 feet. One course reinforced concrete. Paul Const. Co., Inc., Cresson, Pa., \$190,880.58.

Bedford County, RR-222, A-2815, West Clair Township, 21,826 feet. One course reinforced concrete. Paul Const. Co., Cresson, Pa., \$318,679.07.

Pennsylvania Contracts Awarded

Church, Reading, Pa. Architects, Muhlenberg Brothers, 511 Penn street, Reading, Pa. Owners, First Church of Christian Science, Ezra A. Wenrick, 353 Penn street, Reading, Pa. Limestone, 1 story and basement, 63x89 feet, composition roof, vapor vacuum heat, electric light. Contract awarded to Fink Const. Co., 510 Walnut street, Reading, Pa. Plumbing and heating to A. E. Fries, 26 South Eleventh street, Reading, Pa. Electric work to Kutz & Smith, 28 North Ninth street, Reading, Pa.

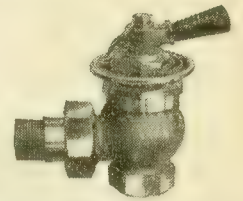
Lincoln School (add.), Newberry-Williamsport, Pa. Architect, F. Arthur Rianhard, Masonic Temple, Williamsport, Pa. Owners, Williamsport School District, Williamsport, Pa. Brick, reinforced concrete, steel, 2 stories and basement, 90x90 feet. Contract awarded to J. V. Bennett & Co., Williamsport, \$81,525. Plumbing awarded to Ertel Plumbing & Heating Co., Williamsport. Electric awarded to A. Ottis Garthoff, Williamsport, Pa.

Residence and Garage, Wynnewood, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, E. L. Blabon, 2nd, Twenty-first and Hunting Park avenue, Philadelphia. Stone, cut stone, 2½ sto-

ries and 1 story, 47x34 feet, garage, 24x38 feet, Vermont slate roof, cement, oak and pine floors, metal lath, tile work, painting, glazing, bond, ornamental iron (heating, plumbing and electric work reserved). Con-

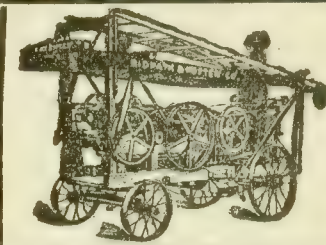
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tract awarded to Frank G. English, 1610 North Carlisle street, Philadelphia.

Residence, Garage and Chauffeur's Quarters, Rose Tree, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owner, Dr. Fielding O. Lewis, 259 South Seventeenth street, Philadelphia. Stone, 2½ stories, 34x77 feet, slate roof, hardwood floors, tile work, electric lighting (heating reserved). Contract awarded to R. C. Ballinger & Co., 925 Walnut street, Philadelphia.

Residence (alts. and add.), Broadax, Pa. Architects, Tilden & Register, 1520 Locust street, Philadelphia. Owner, Mrs. Joseph Sailor, Broadax, Pa. Stone, 1 story, 37x24 feet, shingle roof, oak, pine and cement floors, hot water heat, electric light. Contract awarded to J. S. Cornell & Son, 1528 Cherry street, Philadelphia.

Residence (alts. and add.), Norristown, Pa. Architect, H. Gordon McMurtrie, 1012 Walnut street, Philadelphia. Owner, Charles D. McAvoy, care of architect. Brick, cut stone 2½ stories. Contract awarded to A. J. Kinsella, Norristown, Pa.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Erie County, R-85, A-3420, Conneaut Township, 7,009 feet. One course reinforced concrete. \$47,878.35. Contract awarded to McDermott Const. Co., Niles, Ohio.

Mill No. 6 (roof alts.), Bridgeport, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, James Lees & Son, Bridgeport, Pa. Slag roof, painting, carpentry, mill work, masonry, bond. Contract awarded to Frank Schuler, Norristown, Pa.

New Jersey Construction News

Buildings (2), Port Reading, N. J. Architect, Samuel T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading R. R., Twelfth and Market streets, Philadelphia. Hollow tile, one story each, 12 x 65 feet, 16x53 feet, asbestos built-up roof, asphalt floors, hollow tile, plumbing, painting, glazing, bond, steam heat, electric light. Owners taking bids, due August 10th.

Store and Apartment, Illinois and Atlantic avenues, Atlantic City. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, Halpern Brothers, 1740 Atlantic avenue, Atlantic City. Structural steel, reinforced concrete and brick, 5 stories, 100x30 feet, slag roof, hardwood floors, hollow tile, elevators, waterproofing and dampproofing, ornamental iron work, concrete stairs, copper work, plate glass, tile and marble, city heat, electric light. Plans in progress.

Residence and Garage, Dorset and Atlantic avenues, Ventnor, N. J. Architect, A. L. Brooks, 214 Humphreys Building, Atlantic City. Owner, Mr. Charles Abrams, care of architect. Hollow tile and stucco, 2½ stories, 25x68 feet, 20x22 feet, Spanish tile roof, hardwood floors, hot water heat, electric light, tile and marble. Plans in progress.

Operation (100) Residences, Atlantic City, N. J. Architect, A. L. Brooks, Humphreys Building, Atlantic City. Owner, Benjamin R. Fox, care of architect. Two stories, various sizes. Plans in progress. Details undecided.

Hotel (alts. and add.), Virginia and Pacific avenues, Atlantic City. Architect, A. L. Brooks, Humphreys Building, Atlantic City, N. J. Owner, J. Schneidman, care of architect. Brick, structural steel, 4 stories, 40x75 feet, slag roof, hollow tile, pine floors, elevators, iron stairs, steel sash, tile work, metal lath, hot water heat, electric light. Plans in progress.

Church and Sunday School, Ventnor, N. J. Architect, J. V. Mathis, Guarantee Trust Building, Atlantic City. Owners, Trinity M. P. Church, Rev. G. D. Jones, Ventnor, N. J. Stone, 1 story, 60x96 feet, marble work, electric light. Architect ready for bids.

School, New Jersey avenue, Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, Atlantic City School Board, Atlantic City, N. J. Concrete, brick, steel, fireproof, 3 stories, 210x160 feet, slag roof, hardwood floors, hollow tile, safety treads, roof ventilators, waterproofing and dampproofing (heating, plumbing and electric separate), tile and marble, metal lath, skylights, fire and kalamein doors. Bond. Architect ready for bids.

Residence and Garage, Riverton, N. J. Architect, Stanley Potter Stewart, 1524 Chestnut street, Philadelphia. Owner, name withheld. Cinder block and stucco and brick, 2½ stories, 24x50 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work, cement, metal lath. Plans in progress. Ready for bids in a week.

School, Pennsgrove, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owners, Board of Education, Pennsgrove, N. J. Frame, 1 story, 50x80 feet, shingle roof, pine floors, heating undecided, electric light. Plans in progress. Will take bids in three weeks.

Cottage, Ventnor, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owners, Kandle & Ott, Atlantic City, N. J. Stucco and frame, 2½ stories, 35x37 feet, Spanish tile roof, hardwood floors, hot water heat, electric light, tile work. Owners will build.

Masonic Temple, Atlantic City, N. J. Architect, C. H. Adams, Chelsea Bank Building, Atlantic City, N. J. Owners, Masonic Temple Association, William Fort, chairman, Building Committee, 42 South Pennsylvania avenue, Atlantic City, N. J. Reinforced concrete, steel, brick, limestone, 2 stories and basement and 2 mezzanines, 85x115 feet, slag, slate and copper roof, maple, tile and marble floors, hollow tile, roof ventilators, waterproofing and dampproofing, iron stairs, bond, fire doors, metal lath, tile and marble, Warren Webster heat, electric light (heating and plumbing reserved), bronze work. Architect taking bids due August 27th.

Alfred Reed School (add.), Prospect Heights, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, Ewing Township School Board, Wm. E. Anheil, President, Trenton, N. J. Brick, steel, one story and basement, 40x120 feet, slate roof, maple floors, hollow tile, safety treads, metal ceilings, iron stairs, bond, tile work, metal lath (heating, plumbing and electric work separate). Owners taking revised bids, due August 10th.

School (add.), Trenton Junction, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, Ewing Township School Board, Wm. E. Anheil, President, Trenton, N. J. Brick, steel, one story and basement (heating, plumbing and electric separate), slate roof, maple floors, hollow tile, safety treads, metal ceilings, iron stairs, bond, tile work, metal lath. Owners taking revised bids, due August 10th.

High School (interior finish), Wildwood, N. J. Architects, H. Rex Stackhouse & W. W. Donohue, 1120 Locust street, Philadelphia. Owners, Board of Education, Wildwood, N. J. Interior completion of 7 class rooms, plastering, composition floors, millwork, blackboards, steel work, metal lath, tile work. Owners taking bids, due August 10th at 7 P. M.

Siding, Curbing and Fencing, Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, City of Trenton, Department of Public Works, Trenton, N. J. Siding,

curbing and fencing for garage and stable. Owners taking bids, due August 7th.

Bridge, New Jersey. Owners, State Highway Department, A. Lee Grover, Secretary, Broad Street Bank Building, Trenton, N. J. Reinforced concrete slab bridge on plain concrete abutments and piers, 3 spans 22 feet each, clear roadway 30 feet, over Crusker's Brook at M. P. 7.9 on State Highway Route No. 16, in Somerset County. Owners taking bids, due August 17th at 11 A. M. Standard Time. Certified check 10% required. Deposit of \$10.00 required.

New Jersey Contracts Awarded

Ice and Cold Storage Building, Shellenger's Landing, Cape May, N. J. Architect, private plans. Owners, Atlantic City Railway Co., Reading Terminal, Philadelphia. Capacity, 15 tons. Contract awarded to Mark B. Reeves, Wildwood, N. J. Equipment awarded to H. Vogt Machine Co., Louisville, Ky.

Apartment, Atlantic City, N. J. Architect, J. V. Mathis, Guarantee Trust Building, Atlantic City, N. J. Owner, Miller A. Cuskaden, 3604 Atlantic avenue, Atlantic City, N. J. Brick, steel, five stories, 50x85 feet, slag roof, hardwood floors, elevators, terra cotta, ornamental iron, iron stairs, limestone, tile and marble, metal lath, hot water heat, electric light. Contract awarded to J. Mathis & Son, Guarantee Trust Building, Atlantic City, N. J.

Residences (2), 2714-16 Congress Road, Camden, N. J., \$8,500 total. Architect, private plans. Owners, Henry Laity and Wm. Davey, Camden, N. J. Block and stucco, 2½ stories, 16x40 feet, slate surface roof, warm air heat, electric light. Contract awarded to Davies Bros., 901 North Thirty-first street, Camden, N. J.

Sunday School, Hightstown, N. J. Architect, Wm. Kleman, First National Bank Building, Trenton, N. J. Owners, First Baptist Church, W. C. Hubchman, 46 Main street, Hightstown, N. J. Brick, steel, two stories and basement, 42x86 feet, slate roof, pine floors, hot water heat, electric light, tile work. Contract awarded to Willis Hancock, Hightstown, N. J.

School (alts.), Mantua, N. J. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, School Board, Mantua, N. J. Fire escapes. Contract awarded to John Baizley Iron Works, 514 South Delaware avenue.

Recitation Building, New Brunswick, N. J., \$154,683. Architects, Depart of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, State College for Women, B. G. Lewis, Commissioner, Trenton, N. J. Reinforced concrete, brick, stone, steel, 2½ stories and basement, 158x76 feet, tile, green slate roof, cement, rubber tile and maple floors, hollow tile, roof ventilators, shoring, dampproofing, ornamental iron work, iron stairs, floor hardener, bond, kalamein doors, steel skylights and sash, marble work, metal lath (plumbing, heating and electric separate), membrane waterproofing, mastic flooring, limestone, granite. Contract awarded to Chas. McCaul Co., 1713 Sansom street, Philadelphia. Electric awarded to Beaver Eng. Co., New Brunswick, N. J., \$5,190. Plumbing awarded to D. Buist, New Brunswick, N. J., \$5,300. Heating awarded to D. Buist, New Brunswick, N. J., \$11,990.

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Miscellaneous Construction News

Bank (alts. and add.), Market street, Wilmington, Del. Architects, Brown & Whiteside DuPont Building, Wilmington, Del. Owners, Security Trust & Deposit Co., J. Roselle, President, Sixth and Market streets, Wilmington, Del. Fireproof, brick, stone, three or two stories. Preliminary plans in progress.

Residence, Wilmington, Del. Architect, John A. McKibbin, Industrial Trust Building, Wilmington, Del. Owner's name withheld. 2½ stories, 30x40 feet. (Also garage.) Preliminary plans in progress.

State House (add.), Dover, Del., \$150,000. Architects, Brown & Whiteside, DuPont Building, Wilmington, Del. Owners, State of Delaware, Hon. R. P. Robinson, Dover, Del. Fireproof, brick, concrete, structural steel, three stories, 50x100 feet, concrete roof, tile or linoleum floors, gypsum block, water and dampproofing, ornamental iron work, iron stairs, tile and marble, heating extension, electric light. Owners will be ready for bids next week.

Show Room (alts. and add.), Eleventh and Market streets, Wilmington, Del. Architect, R. C. Tindall, 914 Orange street, Wilmington, Del. Owners, Oakland Sales Co., 222 West Tenth street, Wilmington, Del. Brick, stucco, one story, Johns-Manville roof, plate glass. Architect taking sub-bids.

Office Building (alts.), Market street, Wilmington, Del. Architect, C. R. Hope, DuPont Building, Wilmington, Del. Owners, Highfield Realty Co., Wilmington, Del. General alterations, tile and marble, ornamental iron, partitions, structural steel, two new fronts. Architect taking bids, due August 12th.

Office and Apartment, Wilmington, Del. Architect, R. C. Tindall, 914 Orange street, Wilmington, Del. Owner, Thomas Leonard, 205 West Twenty-first street, Wilmington, Del. Brick, stucco, three stories 20x50 feet, slag roof, pine floors, hot water heat, electric light. Architect taking bids.

Garage (alts.), Wilmington, Del. Architect, R. C. Tindall, 914 Orange street, Wilmington, Del. Owner, Enoch Moore, 1100 Madison St., Wilmington, Del. Brick, steel, concrete floors, partitions. Architect taking bids.

Residences (2), Broome street, Wilmington, Del., \$13,000. Architect, private plans. Owner, Charles Gooding, 2607 Franklin street, Wilmington, Del. Brick, two stories, 22x30 feet, slate roof, pine floors, hot water heat, electric light. Owner will build.

Road Work, Delaware. Owners, State Highway Department, Dover, Del. Owners taking bids, due August 19th at 2 P. M. Certified check for 5% required. Deposit of \$10.00 (refunded).

Contract CS37, Harmon School, Oak Orchard 2 miles. Clearing, grubbing, excavation, borrow, cement concrete pavement. Class A concrete, reinforcement, R. C. pipe.

Contract CS41, Bethany Beach, 1.40 miles. Excavation, borrow, cement, concrete pavement, Class A concrete, reinforcement, R. C. pipe, relaid pipe.

Contract CS42, Lewes Cross Roads-Mission, 2.89 miles. Clearing, grubbing, excavation, borrow, cement concrete pavement, Class A concrete, reinforcement, corrugated metal pipe, R. C. pipe, wood shoulder curb.

Contract CS43, Blades Connection, 0.32 miles. Excavation, cement concrete pavement, Class A concrete, reinforcement, R. C. pipe.

Contract CS44, DuPont Road-Stockley, 1.10 miles. Excavation, borrow, cement concrete pavement, Class A concrete, reinforcement, R. C. pipe, wood guard rail, wood shoulder curb.

Residence, Winston-Salem, N. C. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, J. B. Dyer, Winston-Salem,

N. C. Preliminary plans in progress. Too early for details.

Bungalow, Roaring Gap, N. C. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, R. E. Lasater, Winston-Salem, N. C. Preliminary plans in progress. Too early for details.

Bungalow, Roaring Gap, N. C. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, A. L. Brook, Greensboro, N. C. Preliminary plans in progress. Too early for details.

Turkish and Russian Bath House, location withheld. Architect, Wm. L. Charr, Victory Building, Philadelphia. Owner, care of architect. Steel, stone, brick, three stories, 54x70 feet, 20x40 feet, slag roof, tile and maple floors, hollow tile, safety treads, dampproofing, ornamental iron, iron stairs, floor hardener, bond, kalamein doors, skylights, metal sash, tile, marble and terrazzo, metal lath, steam heat. Preliminary plans in progress.

Court House (alts.), Rappahannock, Va. Architect, E. C. May, DuPont Building, Wilmington, Del. Owners, Borough of Rappahannock, Virginia. General alterations, tower, clock. Plans in progress.

Dormitory, Wellsley, Mass. Architects, Day & Klauder, Franklin Bank Building, Philadelphia. Owners, Wellsley College, Wellsley, Mass. Brick, stone, limestone, three and four stories, 350x40 feet, five wings, steam heat, electric light, slate roof. Plans ready for bidders August 5th.

Miscellaneous Contracts Awarded

Parochial School, Brooklyn, N. Y. Architect, Emil G. Perrot, 1211 Arch street, Philadelphia. Owners, St. Rita's R. C. Church, Brooklyn, N. Y. Contract awarded to Adam Wischerth, 8 Essex avenue, Brooklyn, N. Y.

Parochial School, Brooklyn, N. Y. Architect, Emil G. Perrot, 1211 Arch street, Philadelphia. Owners, St. Agnes' R. C. Church, Brooklyn, N. Y. Contract awarded to Clement Imperato, 418 Sackett street, Brooklyn, N. Y.

Residence, Middletown, Del. Architect, C. R. Hope, DuPont Building, Wilmington, Del. Owner, E. W. Heekes, Middletown, Del. Hollow tile, stucco, frame, 2½ stories, 24x45 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to H. Clay Phillips, Middletown, Del.

Store (alts. and add.), 415 Market street, Wilmington, Del., \$10,000. Architect, private plans. Owners, E. S. R. Burley, Inc., on premises. Brick, two stories, 56x20 feet, slag roof, pine floors, plate glass. Contract awarded to H. S. Lynch Co., 715 Tatnall street, Wilmington, Del.

Residences (5), **Residence and Store** (1), Wilmington, Del., \$30,000. Owners, Newport Land & Improvement Co., Industrial Bldg., Wilmington, Del. Cement block, brick, two stories, 16x46 feet, 22x24 feet, slag roof. Contract awarded to Patrick Fahey, 122 North Clayton street, Wilmington, Del.

Residences (3), Washington street, Wilmington, Del., \$22,500. Owner, Clarence McCaulley, 108 West Eighth street, Wilmington, Del. Brick, stucco, two stories, 22x28 feet, slag roof, pine floors. Contract awarded to Stephen Jackson, 831 Orange street, Wilmington, Del.

Residences (2), Rodney street, Wilmington, Del., \$12,000. Owners, Newport Land Co., Industrial Building, Wilmington, Del. Contract awarded to Patrick Fahey, 122 North Clayton street, Wilmington, Del.

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When the paint and varnish manufacturers of this country began advertising the idea "Save the surface and you save all," they hoped to double their business in five years. That time is not up yet, but at the end of three years they were within twelve per cent of having reached their goal. They have forty per cent. of their time limit in which to reach twelve per cent. of their volume limit. If you, in your own business, can increase your volume eighty-eight per cent in three years, are you going to have to charge the consumer more for the product, to pay for advertising? Or are you going to be able, instead, either to charge him less, or to show a bigger profit in the business.—*The Associated Contractor.*

Simplification of clay bricks in this country is being watched with considerable interest by the clayworking industry in Great Britain, according to information reaching the Division of Simplified Practice, Department of Commerce, under whose auspices the American clay industry reduced 39 sizes of rough face brick to 1, 36 sizes of smooth face brick to 1, and 44 sizes of common brick to 1.

The British brick industry, it is indicated, is in much the same position as was the American brick industry when simplification was undertaken. While nominal standards were adopted two decades ago, there has been a lapsing of adherence to such standards, and today a number of variations in dimension are found—particularly in the thickness of bricks produced in various districts.

The *British Clayworker*, in a recent issue, has this to say about the problem: with a view to increasing production and

"In America, ideas as they present themselves in important industries, are followed up by means of investigation, sale, and reducing, and the matter of standardization is receiving close attention in all classes of manufacture.

"Within the last few years road paving the efforts of the National Paving Brick bricks have been under scrutiny and by Association manufacturers have been brought into line with the effect of reducing 66 varieties down to five. Facing bricks have similarly been reduced from 36 varieties to one class, and variations in dimensions have been ruthlessly ruled out.

"So important is the necessity for economy in production in these days that we should all look around to see if action of this kind would not benefit the brick trade as much as it has undoubtedly benefitted the motor trade, and will, it is claimed, simplify the housing problem.

"We have London stocks, wirecuts, pressed bricks, sand faced facing bricks, smooth facing bricks, and lime sand bricks, produced in different districts by different methods from different raw materials. Where we are, however, inconsistent, is in the dimensions or rather one dimension of the bricks made, and in this direction standardization would have been of immense value during the last two years, and would be during all the period of intense production and large demand.

"It is impossible for the qualified observer to understand why bricks should be produced to varying thickness in various districts. We have the standard of $2\frac{5}{8}$ inches, fixed some 29 years ago by the efforts of the Institute of Clayworkers in conjunction with the Royal Institute of Brick Architects, and yet we find bricks in the Midlands and North made in $2\frac{7}{8}$, 3 and $3\frac{1}{8}$ inches in thickness and in Scotland $3\frac{1}{4}$ inches. No one can explain why these differences arose and why they are so stubbornly maintained.

"There is no advantage that can be advanced for the greater thicknesses than the agreed standard, and every possible reason why the standard should be universally adopted.

"When we compare the English sizes with those adopted in other countries, the anomaly is made still more striking, because we were among the earliest makers, and have increased sizes, while they, in following in our footsteps, have reduced them. * * * Brickwork is cheaper in all these countries than in ours, so it is evident that thickness does not spell cheapness of building. The bricklayer prefers and welcomes smaller brick and does more work with it. The brick manufacturer has his drying and burning problems simplified, besides the greater ease of handling. Waste is also reduced. * * *

"The present time is one when standardization of brick sizes throughout the country would be an easy matter. It would give satisfaction to everyone, and dissentients would be forced into line with all others by the imperative necessity of buying what was offered, if they wished to continue in business. The benefit to the trades concerned would be great from an economic standpoint, and from an aesthetic standpoint the improved appearance of brick work generally would be of great value. * * * Let us then take the opportunity and standardize so that all bricks in the country are of one uniform size."

Recent surveys by the Division of

Simplified Practice in the brick industry of the United States indicate that there is a very general adherence to the simplified sizes in this country, except in a very few isolated cases where brick yards are producing for special demand in addition to their filling of orders for the recognized sizes.

It is further indicated that the clay brick industry is stimulated to a closer adherence to the simplification program by the fact that other brick materials have been brought under Simplified Practice to adopt a single size, which makes for a keener competition as to quality, service and price, and which also makes it incumbent upon brick manufacturers to safeguard the benefits of simplification by not breaking away from the recognized sizes.

Members of the Philadelphia Operative Builders' Association are planning a campaign to enlarge the activities of the Association. A suite of rooms has been leased in the Lincoln Building which will be the headquarters of the Association, where members will be able to transact their business, and information furnished the public on the housing situation. Offices of the Home Building Exposition will also be provided so that all departments of the Association can function under one roof.

At the quarterly meeting of the Association held at the Pennsylvania Hotel George H. Detweiler resigned as secretary, after ten years service, and Ernest H. Crowhurst was elected to succeed him. The latter will continue his duties as Manager of the Home Building Exposition under the supervision of the Exposition Committee, with John N. McGarvey as Chairman.

The report of the 1925 Exposition, which was read by Chairman McGarvey was most gratifying, and a rising vote of thanks was accorded the members of the Exposition Committee for the most successful show in the history, not only of the Association, but ever held in this city. Plans were adopted for the Fifth Annual Exposition, which will be held during the second week of February, 1926.

Just remember this: Give out courtesy, kindness, patience and good-will, and you'll get them all back with compound interest. The men who deserve to rank in Class A do not chew the lint and fuss about the small misfits of life. To take what comes and forget the rest is wisdom. Let Braggo give the janitor the call, and the Hall Boys have it out with the Ashbox Inspector—you can't afford to soil your soul with small scraps. Fight on a big scale, or not at all. The folks who have trouble with ushers are always looking for trouble—and find it. Smile, old boy, smile!

Reference Directory for Architects, Builders and Owners

ARTESIAN WELLS.

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES.

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINTS.

Blue Print Shop.....1520 Sansom St., Phila.
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Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS.

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

BRICK.

Cox, Janeway, & Co., Real Estate Trust Bldg., Phila.

BRICK (Face, Common, Paving).

Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS.

Mitchell Bros.2125 Race St., Phila.

BUILDING BLOCKS.

Schnitzler & Wilt.....Morton, Pa.

BUILDING NEWS.

Daily Building News.....Perry Bldg., Phila.

BUILDERS' SUPPLIES.

Camden Materials Co.....1345 Pine St., Camden, N. J.
The Van Sciver Corporation,
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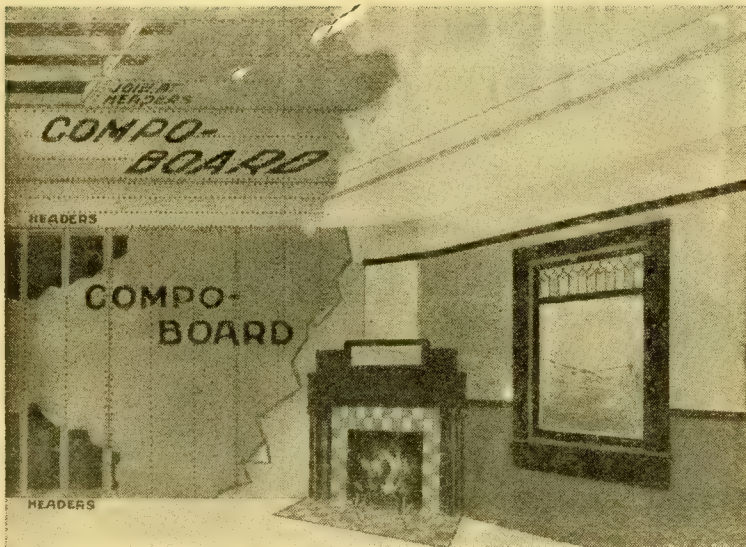
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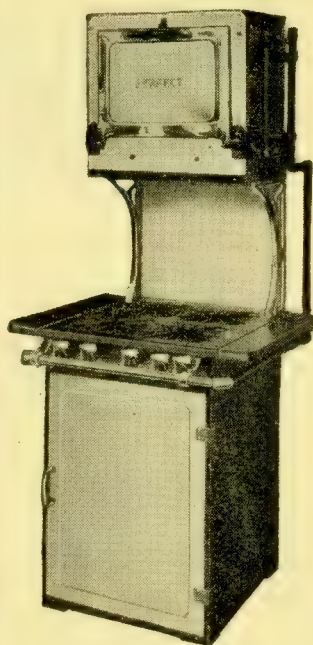
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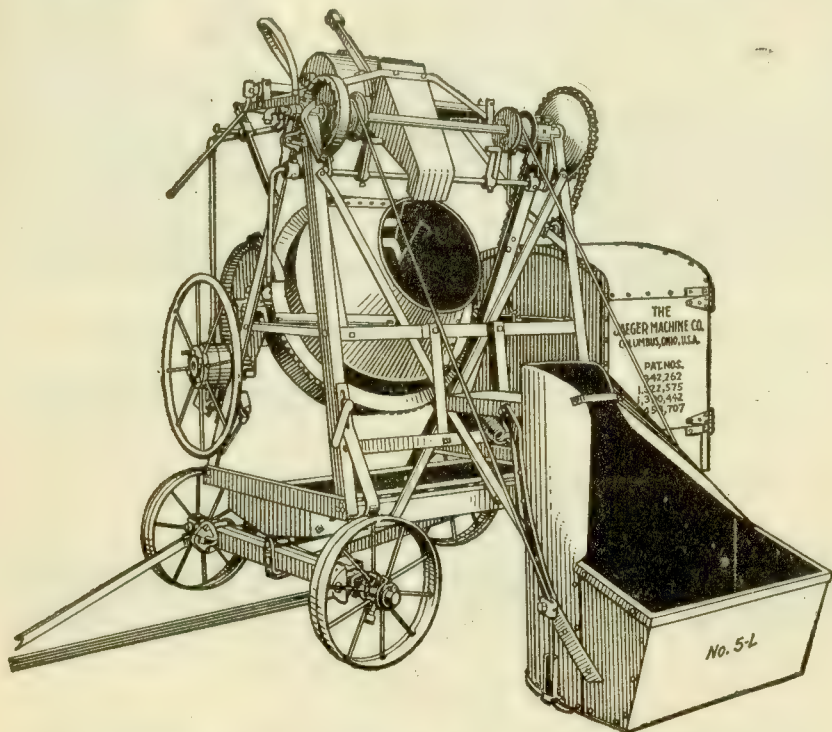
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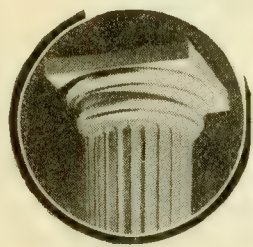
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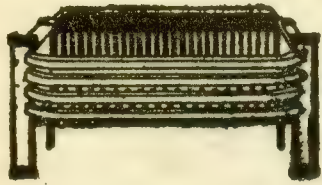
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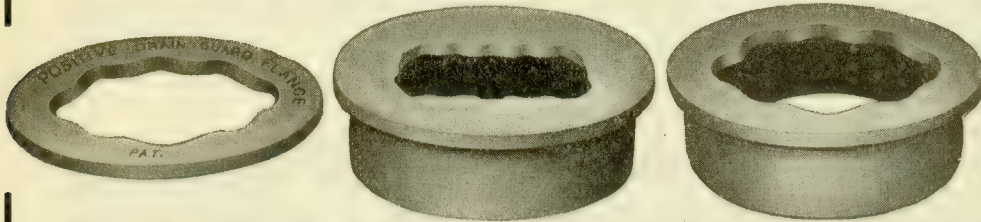
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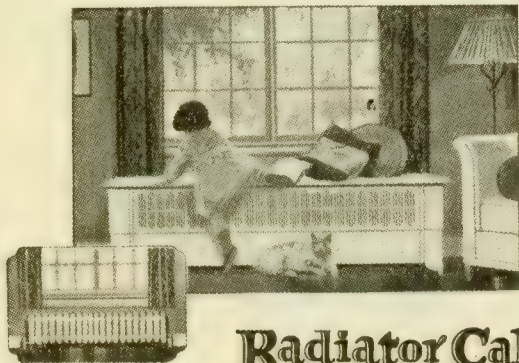


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VOLUME XL

Number 32

Engineering and the Building Trades

PHILADELPHIA

August 12, 1925

BUILDERS' GUIDE

PUBLISHED WEEKLY

BY

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CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED: ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residence and Garage, Springbank street and Westview street, Germantown, Pa. Architect, Addison H. Savery, 1309 Locust street, Philadelphia. Owners, Mr. and Mrs. Phil. J. Bauer, 1026 Westview street, Philadelphia. Stone, cut stone, tile work, iron work, shingle roof, oak and pine floors, metal lath, plastering, metal weather stripping, membrane waterproofing, electric work, 2½ stories, 60x53 feet. Architect taking bids, due August 18th.

Stores and Apartments, Carlisle and Tioga streets, Philadelphia. Architects, T. B. Lippincott and C. H. Sheaf, 11 South Sixteenth street, Philadelphia. Owner, Frank E. Taylor, Stephen Girard Building, Philadelphia. Brick, steel, 3 stories and basement, 90x25 feet, slag roof, oak and pine floors, electric light, metal lath, ornamental iron work, metal ceilings. Owner taking revised bids.

(Note change in architects.)

Centre Section of Art Museum, Fairmount Park, Philadelphia. Architects, C. L. Borie, H. Trumbauer, Zantzinger, 1406 City Hall. Owners, Commissioners of Fairmount Park, 127 City Hall, Philadelphia. Stone, cut stone, steel, two stories, 217x110 feet, terra cotta tile, cement and oak floors, elevators, metal lath, tile work, bronze covered floors, bond, iron stairs, ornamental iron work, integral waterproofing, ornamental plastering, bronze windows, ornamental marble work, Minnesota cut stone. Owners taking bids, due August 25th.

Sewers, etc., Philadelphia. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Owners taking bids due August 19th at 11 A. M., Standard Time. Schedule A, branch sewers, sewage disposal project. Schedule B, Wingohocking sewers in McAlister street, etc. Grading and paving, N. E. Sewage Treatment works. Certified

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Garage, southeast corner of Master and Conestoga streets, Philadelphia, \$13,000. Architect, private plans. Owner, Sol. Hopkins, Sixty-second and Market streets, Philadelphia. Stone, one story, 81x160 feet, cement work, electric light. Owner will build.

Storm Water Ditch and Drainage, South Philadelphia improvement, South Parker avenue, north of Broad street, Philadelphia. Owners, Department of Public Works, Bureau of Highways, Philadelphia. Low bidder, Stange Construction Co., Bellevue-Stratford Hotel, \$612,500.00.

Hospital Building, 8815 Germantown avenue, Philadelphia. Architects, Willing, Sims & Tibbutt, 10 South Eighteenth street, Philadelphia. Owners, Chestnut Hill Hospital, 8815 Germantown avenue, Philadelphia. Work contemplated. Preliminary plans being drawn.

Apartment House, Southeast Corner Twenty-third and Walnut streets, Philadelphia. Architect, Joseph Margolis, 1505 Race street, Philadelphia. Owner, Joseph Rabinowitz, 3641 Chestnut street, Philadelphia. Brick, stone, steel. Sketches drawn.

Residence (alts. and add.), 321 South Seventeenth street, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owners, Mr. and Mrs. Jerome Bennett, on premises. Brick, stone, 4 stories, 20x140 feet. Plans in progress.

Residence (alts. and add.), 1928 Panama street, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, F. E. D. Thayer, on premises. Brick, 4 stories, 18x45 feet, general alterations. Plans in progress.

New Jersey Sesqui-Centennial Building, Exposition Grounds, Philadelphia, \$1,000,000. Owners, New Jersey Commission, J. Fred

Margrum, Director, Trenton, N. J. 1½ stories, 150x125 feet, terra cotta, tile work. Plans about completed.

Garage, 2017 North Front street, Philadelphia. Architect, Fred N. Greisler, 1035 Walnut street, Philadelphia. Owner, name withheld. Brick, steel, 1 story, irregular in size, steam heat, electric light, rolled steel sash, hollow metal skylights, plastering, composition floors, slag roof (100-car capacity), cast stone, metal ceilings, demolition. Architect taking sub-bids due as soon as possible.

Residences (36), Stores (2), Foulkrod street and Summerdale avenue, Philadelphia. Architect, private plans. Owner, Charles Finklestein, 725 Roosevelt Boulevard, Philadelphia. Brick, stucco, 2 story and basement, 15x45 feet, slag and Spanish tile roof, oak and pine floors, hot water heat, electric light, tile work. Owner taking sub-bids.

Apartment House, Forty-sixth and Locust streets, Philadelphia. Architect, Samuel Abramson, 2313 Walnut street, Philadelphia. Owner, Samuel Coane, care of architect. Brick, steel, stone, 3 stories, 25x75 feet, slag and asbestos shingle roof, hardwood floors, hot water heat, electric light, tile and marble work, fire tower, iron work. Architect taking sub-bids.

Residences (2), Germantown, Pa. Architect, C. L. Caspary, Corn Exchange Building, Philadelphia. Owner, E. H. English, Chelton and Green street, Philadelphia. Stone, 2½ stories, 26x52 feet each, garage, 1 story, 16x20 feet, slate roof, hardwood and cement floors, hot water heat, electric light, tile work. Owner taking sub-bids.

Residences (8), Third and Nedro avenue, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, J. M. Snyder & Son, Fourth and Nedro avenue, Philadelphia. Brick, 2 stories, 16x32

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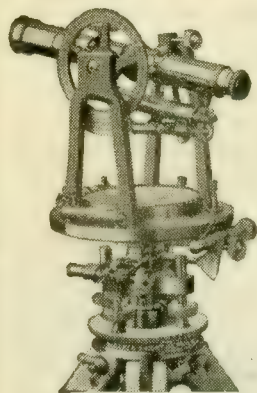
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feet, hot water heat, electric light, tile and marble work, slag and tin roof, hardwood floors. Owners taking sub-bids.

Garage, Hunting Park avenue and Blaine and Butler streets, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, name withheld. Brick, steel, 1 story, 259x95 feet, 175-car capacity, slag and gypsum roof, cement floors, steam heat, electric light, oil burning equipment, rolled steel sash, hollow metal skylights, metal bulks, steel trusses. Architect taking sub-bids due as soon as possible.

City Hall Annex, Juniper and Filbert streets, Philadelphia. Architect, Philip S. Johnson, 1713 Sansom street, Philadelphia. Owners, City of Philadelphia, Bureau of City Property, Department of Public Works. Brick, concrete, steel, limestone, 15 stories, 106x175 feet. Architect ready for bids in 2 months.

Alterations to Pier No. 14, Port Richmond, Philadelphia, \$1,000,000. Architect, private plans. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Widening and extension and ore-handling facilities. Owners will soon take bids.

Stores (4), Apartment Building (alts. and add.), Fifth & Somerville Sts., Philadelphia. Architects, E. H. Silverman and Abraham Levy, Elrae Building, Philadelphia. Owner, Morris Stouner, 220 South Fourth street, Philadelphia. General alterations. Architects taking revised bids due as soon as possible.

Office Building, East side of Thirty-second street, near Market street, Philadelphia. Architects, Graham, Anderson, Probst & White, 1417 Railway Exchange, Chicago. Owners, Pennsylvania Railroad, Broad Street Station, Philadelphia. Brick, steel, granite, reinforced concrete, 14 stories and basement, 150x250 feet, promenade tile and composition roof, cement floors, hollow tile, elevators, plumbing, roof ventilators, metal weather strips, waterproofing and dampproofing, architectural terra cotta, ornamental iron work, iron stairs, bond, kalamein doors, rolled steel skylights, tile, marble and terrazzo work, metal lath, steam heat, electric light, Membrane waterproofing, mail chutes, rolled steel shutters, wrought iron pipe. Architects taking bids due September 1st.

Show Room and Service Station, Cheltenham avenue and Knox street, Philadelphia. Architect, Carl A. Ziegler, 1012 Walnut street, Philadelphia. Owner, Clarence Brown, care of architect. Brick, cut stone, steel, 1 story, 160x50 feet, slag roof, cement and oak floors, plumbing, roof ventilators, ornamental iron work, metal bulks, rolled steel skylights, tile and marble work, rolled steel sash, metal lath, steam heat, precast stone, Mt. Airy granite, Morene wall finish, metal lockers, wrought iron pipe. Architect taking bids due August 15th.

Stores (4) and Apartments, Marshall and Poplar streets, Philadelphia. Architects, E. H. Silverman and Abraham Levy, Elrae Building, Philadelphia. Owner, Samuel Saler, on premises. Brick, steel, 2 stories, 29x40 feet, slag roof, oak, pine and cement floors, hot water heat, electric light, tile work. Ar-

chitects taking bids due as soon as possible.

East Service Building of Psychiatric Clinic, Forty-ninth and Market streets, Philadelphia. Architect, Arthur H. Brookie, 254 South Fifteenth street, Philadelphia. Owners, Pennsylvania Hospital, Forty-ninth and Market streets, Philadelphia. Brick, cut stone, stone, stucco, limestone, 2 stories and basement, 240x43 feet, slag roof, cement floors, hollow tile, plumbing, metal weather strips, waterproofing, ornamental iron work, rolled steel skylights, tile, marble and terrazzo work, metal lath, bluestone, limestone, caulking, wrought iron pipe. Architect taking bids due August 28th, 10 A. M.

Belfield Playground, Twenty-first and Conlyn streets, Philadelphia. City architect, John Molitor, 1513 Walnut street, Philadelphia. Owners, Department of Public Works, Bureau of Recreation, 595 City Hall. Concrete wall, iron fence and grading. Certified check 5 per cent. of bid. Owners taking bids due August 18th, 11 A. M. (Standard Time).

Stores and Apartments, Ogontz avenue, Church lane, Limekiln pike, Philadelphia. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owners, Ogontz & Church Lane Realty Co., care of architect. Note new bulletin asking for price (individual prices) on Buildings No. 1 to No. 8, No. 11 to No. 18, and No. 19 to No. 29. Architects taking bids due August 12th at noon.

Schools (various), Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners taking bids due August 11th.

Front of Building (alts.), 1101 Chestnut street, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Girard Estate, Stephen Girard Building, Philadelphia. Marble, hollow tile, copper work, plate glass, rubber tile floors, carpentry and mill work. Architect taking bids due August 10th.

Exhibit Building, League Island Park, Philadelphia. Owners, Sesqui-Centennial Exposition Association, Fifth and Chestnut streets, Philadelphia. Owners taking bids due August 14th (note extension of time).

Residences (25), North side Mebus street, West of Smylie road, \$128,500. Architect, private plans. Owners, Fruchbaum & McGrath, 825 Real Estate Trust Building, Philadelphia. Brick, 2 stories, (1) 16x50 feet, (24) 16x44 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residences (21), North side Nedro avenue, East of Second street, \$96,500. Architect, private plans. Owner, Joseph Sheperla, 1152 Wagner avenue, Philadelphia. Brick, 2 stories, 16x46 feet and 15x38 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Laundry Building and Garage, 5416 Vine street (rear), \$6,500. Architect, private plans. Owner, Leon Kelvin, 5416 Vine street, Philadelphia. Brick, 1 story, 25x97 feet, garage, 25x18 feet, slag roof, pine and cement floors, electric lighting. Owner will build.

Garage, Southwest Corner Twenty-third and Carpenter streets, Philadelphia, \$75,000. Ar-

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chitect, private plans. Owner, Edward M. Harris, 2226 Chriseian street, Philadelphia. Brick, 1 story, 144x270 feet 6 inches, slag roof, cement floors, electric light, steam heat. Owner will build.

Residence, Southeast Corner J and Magee streets, Philadelphia, \$5,500. Architect, private plans. Owner, John Kosenfel, 3848 Delhi street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (6), East side Shelbourne street, South of Robbins avenue, \$4,000 each. Architect, private plans. Owner, Joseph W. Schorn, 901 Unruh street, Philadelphia. Brick, 2 stories, 14 feet 9 inches x 38 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residences (28), Twenty-fourth, Ringgold and Reed street, Philadelphia, \$107,800. Architect, private plans. Owner, Max Sklar, 628 Pine street, Philadelphia. Brick, 2 stories, (14) 15x32 feet, 12x8 feet, (14) 15x39 feet 6 inches, 12x11 feet, hot water heat, electric light. Owner will build.

Service Station, Corner Fifth and German-town avenue, Philadelphia, \$2,000. Owners, Atlantic Refining Co., 260 South Broad street, Philadelphia. Brick, 1 story, 12x16 feet, electric lighting, cement work. Owners will build.

Residences (8), West side Third street, South of Nedro avenue, \$33,000. Architect, private plans. Owners, John M. Snyder & Son, Fourth and Nedro avenue, Philadelphia. Brick, 2 stories, 16x32 feet, slag roof, pine floors, hot water heat, electric light. Owners will build.

Residence (add. and alts.), 634 North Sixty-fourth street, Philadelphia, \$3,000. Architect, private plans. Owner, B. Tribbles, 2131 South Sixty-third street, Philadelphia. Brick, 3 stories, 10x8 feet, third story add., 20x13 feet, 16x11 feet, general alterations. Owner will build.

Residences (5), North side Wakeling street, West of Colgate, \$22,100. Architect, private plans. Owner, John J. Gaffney, 5532 North Third street, Philadelphia. Brick, 2 stories, 16x37 feet 6 inches, slag roof, hardwood and pine floors, electric light. Owner will build.

Laboratory, North side Penrose Ferry road, East Schuylkill River, \$9,000. Architect, private plans. Owners, Gulf Refining Co., Girard Point, Philadelphia. Reinforced concrete and brick, 2 stories, 23x44 feet, 1 story, 23x43 feet, steam heat, electric light. Owners will build.

Store and Residence (alts. and add.), Northeast Corner Sixtieth and Hazel avenue, \$4,800. Architect, private plans. Owner, Harry R. Massey, 5531 Addison street, Philadelphia. Brick, 1 story add., 13x16 feet, general alterations. Owner will build.

Miscellaneous Work, Philadelphia. Low bidders:

Schedule A—Grading. Algard and Walker streets, Curtis Brothers, State road, Philadelphia, \$265.72. Borbeck, Castor to Loretta streets; Morrissey Brothers, 4345 North Seventh street, Philadelphia, \$1,963.90. Cedar Brook and Pickering avenues; S. C. Rotzell, care of owner, \$5,392.50. Gray avenue, Sixty-fifth to Sixty-sixth streets, Philadelphia; Thomas P. Lee, 5629 Cherry street, Philadelphia, \$2,702.94. Media, Sixty-fifth to Sixty-sixth street, Philadelphia; McNichol Paving & Construction Co., 1923 Cherry street, Philadelphia, \$8,768. Media, Flanders road to Sixty-seventh street; T. P. Lee, 5629 Cherry street, Philadelphia, \$1,553.06. Oakley and Tyson streets; T. B. Monaghan, Water and Clarkson, Philadelphia, \$3,870.12. Prospect street, Morrissey Brothers, 4345 North Seventh street, \$1,145.37. Reach street, Senter to Vankirk streets; Roy B. Wenner, 2315 Walnut street, Philadelphia, \$655.20. Shelbourne street, Tyson to Princeton, Philadelphia; Morrissey Brothers, 4345 North Seventh street, Philadelphia, \$4,519.12. Solly avenue, Burholme to Hennig street, Philadelphia; Curtis Brothers, State road, Philadelphia, \$357. Thorp's lane, Wister to Twentieth street; Dewees Brothers, Fifth and Fisher streets, Philadelphia, \$8,010.40.

Schedule B—Asphalt Paving. Belfield and Montana streets; Barber Asphalt Paving Co., Land Title Building, \$3,326.51. Haworth street, Horrocks to Large street; Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$6,089.41. Marvine street, Johnson to Bigler; Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$4,255.45. Mercer street, Venango street to Southwest; Union Paving Co., Thirtieth and Locust streets, Philadelphia. Nedro street, Fourth to Fifth; Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$8,403.30. Vankirk street, Torresdale avenue to Keystone; Mack Paving & Const. Co., 2820 North Twenty-first street, \$17,034.85. Twenty-first, Seventy-second to Seventy-fourth street; Barber Asphalt Paving Co., Land Title Building, \$17,712.55. Fifteenth avenue and Sixty-seventh avenue, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$11,084.69.

Schedule D—Country Road Improving. Dana street, Edison to Whitney; Neeley Brothers & Russell, Wakeling and Oxford pike, \$1,889.25. Poquessing, Bustleton to Dead End; Neely Brothers & Russell, Wake-ling and Oxford pike, \$2,209.75. **Schedule E—L. Bokser**, 1518 North Eighth street, \$4,361.30. **Schedule E-3—J. Zecca & Co.**, 6441 Vine street, \$3,829.05. **Schedule E-4—L. Bokser**, 1518 North Eighth street, \$2,192. **Schedule E-6—L. Bokser**, 1518 North Eighth street,

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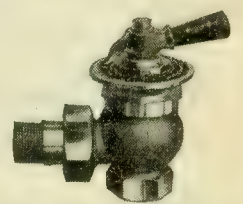
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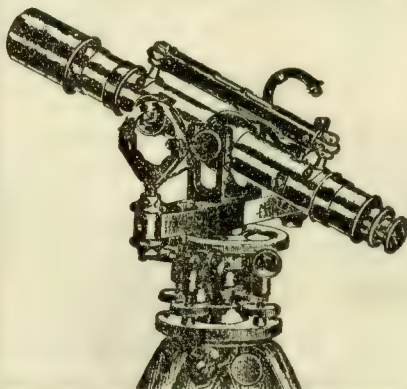


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\$6,262.40. Schedule E-7—L. Bokser, 1518 North Eighth street, \$786. Schedule G—Furnish and deliver asphaltic cement; United Refining Co., 260 South Broad street, \$14,775.

Schedule H—Clean and paint bridge, Erie avenue over Port Richmond Branch of Reading Railroad; George F. Dobbin, 1020 South Forty-seventh street, Philadelphia, \$1,895.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence, north side of Piple street, west of Loretta avenue, Philadelphia, \$5,000. Architect, private plans. Owner, Mr. Plier, 3724 "M" street, Philadelphia. Frame, two stories, 26x42 feet, hot water heat, electric, composition and millwork. Contract awarded to Jos. W. Bradley, 4516 Paul street, Philadelphia.

Garage, east side of Penn street, south of Harrison street, Philadelphia, \$4,200. Architect, private plans. Owner, A. L. Rice, on premises. Brick, one story, 18x109 feet, cement work, electric light. Contract awarded to Otto Schuman, Jr., 4147 Frankford avenue, Philadelphia.

Residence, south side of Borbeck street, east of Loretta street, Philadelphia \$3,800. Architect, private plans. Owner, Herbert Langton, 3214 "L" street, Philadelphia. Frame, one story, 26x34 feet, hot water, electric, slag roof, pine. Contract awarded Huzman & Setzman, 1827 Kinsey street, Philadelphia.

Residences (4), 2750-2756 Casimer street, Philadelphia, \$3,750. Architect, private plans. Owner, Mary Howard, 930 Fanshaw street, Philadelphia. Brick, two stories, 14x34 feet, hot water heat, electric light, slag roof, hardwood floors. Contract awarded to Lewis C. Ahlers, Rhawn and Large streets, Philadelphia.

Residence (add. and alts.), 1641 Bridge street, Philadelphia, \$3,500. Architect, private plans. Owner, P. Caechlanc, on premises. Brick, two stories, 14x8 feet. Contract awarded to B. Cerrich, 1835 Orthodox street, Philadelphia.

Residence (add. and alts.), 2017 Pine St., Philadelphia, \$3,000. Architect, private plans. Owner, Dr. Casperman, on premises. Brick, 2nd, 7x7 feet, carpenter and millwork, electric work. Contract awarded to David Lutz & Co., southeast corner of Twenty-third and Chestnut streets, Philadelphia.

Residence (1), Store and Residence (1), 201 and 231-37 East Sheldon street, Philadel-

phia, \$52,500. Owner, E. McMaster, Southeast Corner Fairhill and Cheltenham avenue, Philadelphia. Brick, 2 stories, 14x38 feet, 10x10 feet, store, 1 story, 40x20 feet, and 3 stories, 13x30 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Louis Braunig, Jr., Fairhill and Cheltenham avenue.

Manufacturing Building (add.), Northwest Corner Wyoming and Stenton avenue, \$24,000. Architect, private plans. Owners, Rodger Hosiery Co., on premises. Reinforced concrete, second story add., 72x150 feet. Contract awarded to R. M. Peterson & Son, 16 Queen Lane, Philadelphia.

Building (add.), North side Allen street, West of Frankford avenue, \$10,000. Architect, private plans. Owners, Ajax Metal Co., 46 Richmond street, Philadelphia. Brick, 1 story, 60x140 feet, slag roof, electric lighting. Contract awarded to M. Ward Easby Co., 1505 Race street, Philadelphia.

Residence and Store (alts.), 2017 North Broad street, Philadelphia, \$6,000. Architect, private plans. Owner, A. Mauren, on premises. General alterations. Contract awarded to Frank Lucci, 1603 Ellsworth street, Philadelphia.

Building (alts.), 729-31 South Marshall street, Philadelphia, \$6,000. Architect, private plans. Owner, Joseph Esposito, 603 Fitzwater street, Philadelphia. General alterations. Contract awarded to Frank R. Bilotta, Southeast Corner Seventh and Christian streets.

Residences (2), 3228-30 South Eighty-sixth street, Philadelphia, \$4,000 each. Architect, private plans. Owner, R. H. Stewart, 2036 South Wilder street, Philadelphia. Brick, 2 stories, 15x38 feet, slag roof, pine floors, pipeless heating, electric lighting. Contract awarded to Arthur F. Dooley, 2640 Island road, Philadelphia.

Warehouse, Northwest Corner Westmoreland and Tulip streets, \$20,000. Architect, private plans. Owner, George J. Fleck, 50

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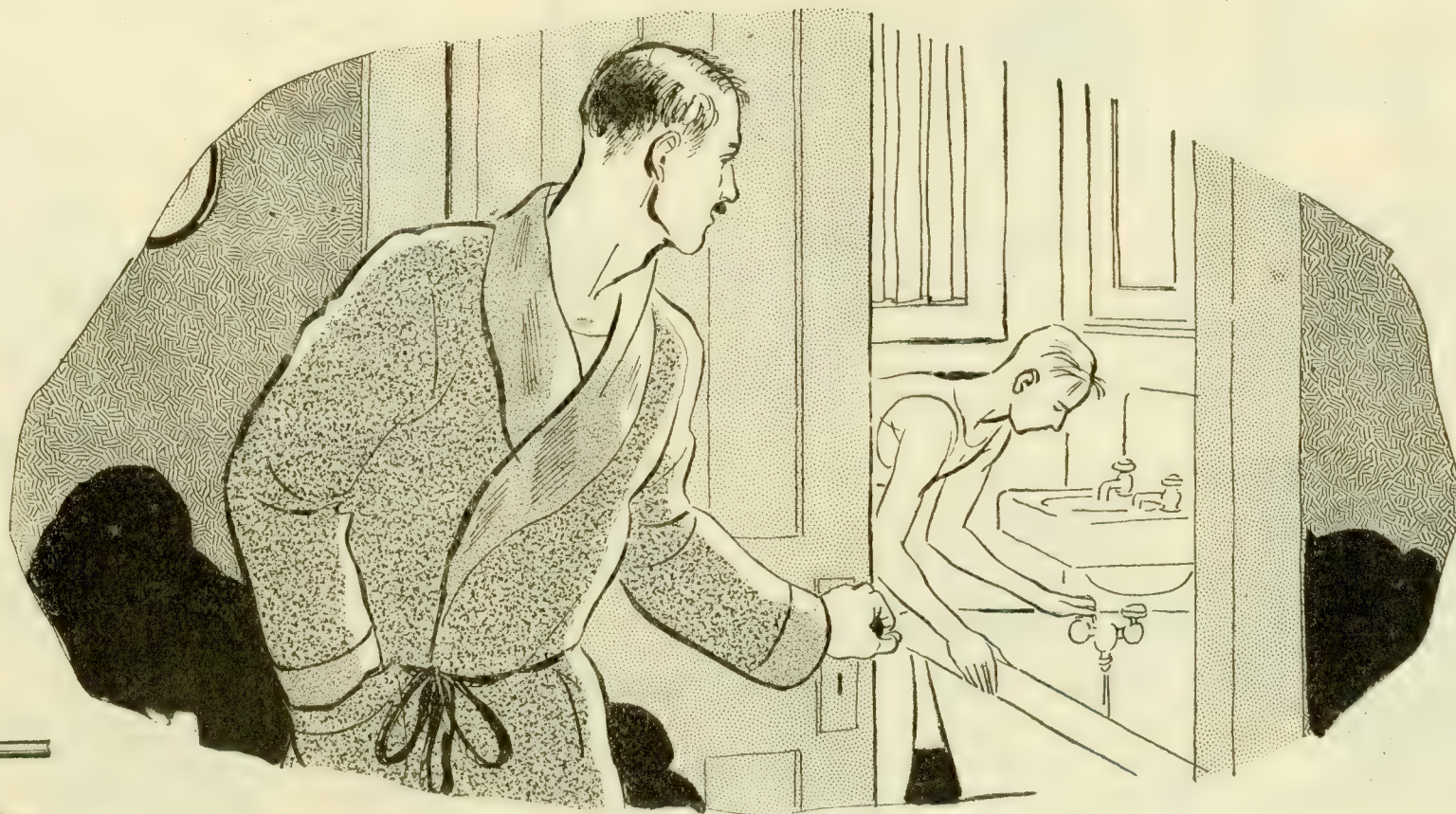
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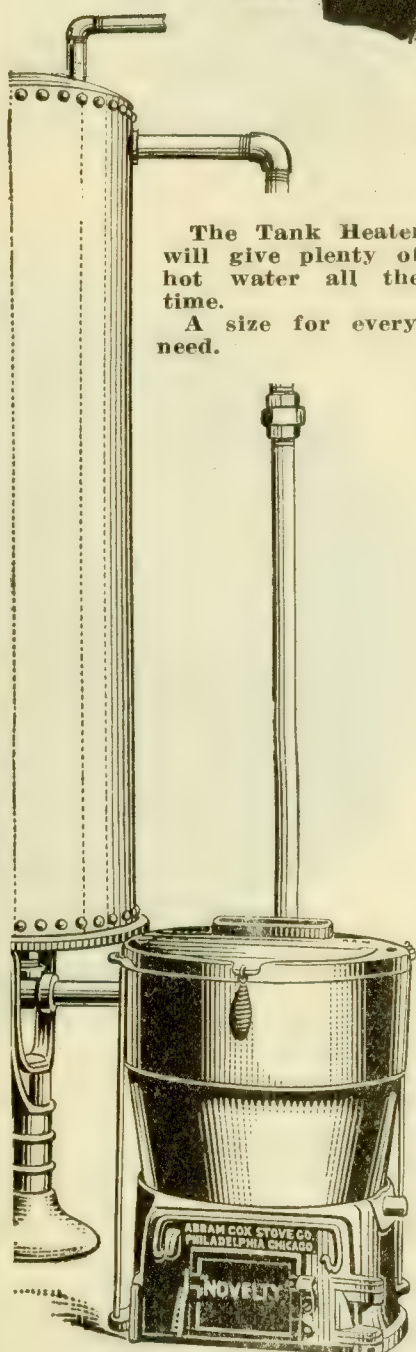
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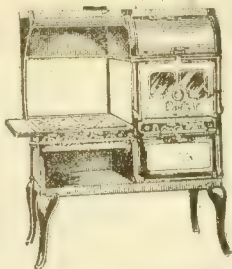
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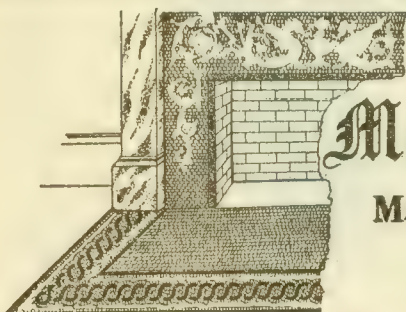


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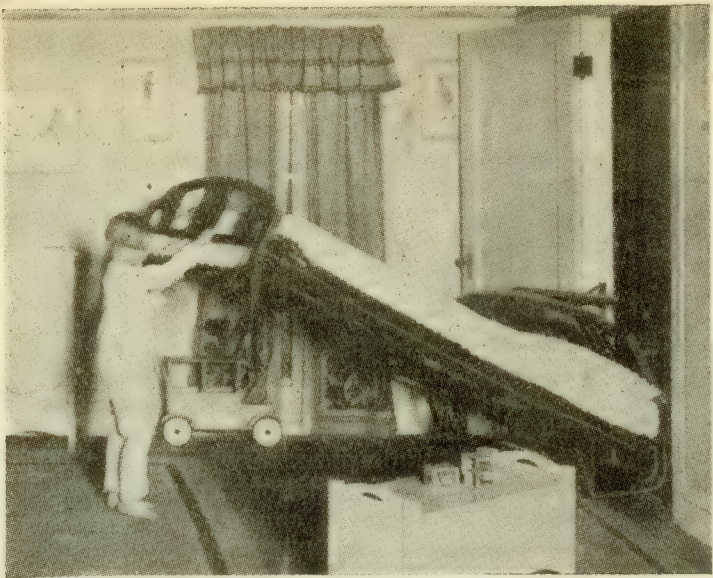
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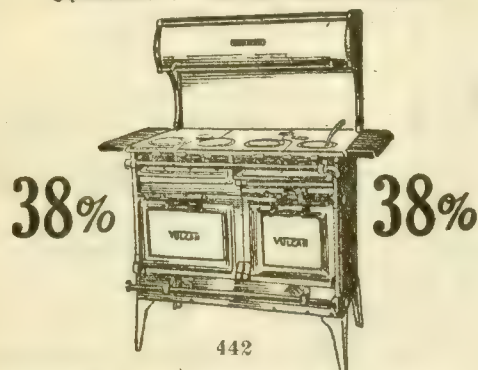
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North Fifth street, Philadelphia. Brick, 1 story, 99 x irregular, slag roof, cement and pine floors, rolled steel sash, skylights, floor hardener, fire doors. Contract awarded to A. B. MacGregor, 1628 Vine street, Philadelphia.

Residence, Southeast Corner Fourth street and Sixty-seventh avenue, Philadelphia, \$10,000. Architect, private plans. Owner, Henry Kasier, 5716 Fairhill street, Philadelphia. Hollow tile, 2 stories, 26x38 feet, hot water heat, electric light, hardwood and pine floors. Contract awarded to P. E. Goodman, 111 Huntingdon pike, Fox Chase.

Building (alts.), Northwest Corner Twenty-third and Brown streets, Philadelphia, \$9,000. Architect, private plans. Owners, Ukrainian League of Philadelphia, on premises. General alterations. Contract awarded to Mr. Baranowsky, 4332 North Sixth street, Philadelphia.

Stadium, Thirty-third and Spruce streets, Philadelphia. Architects, Day & Klauder, Franklin Bank Building, Philadelphia. Owners, University of Pennsylvania, P. M. Wilson, Chairman of Grounds and Buildings, Thirty-fourth and Spruce streets, Philadelphia. Engineer, W. H. Gravell, Otis Building, Philadelphia. Reinforced concrete, steel, cut east stone, hollow tile, plastering, plumbing, drainage, hardware, metal lath, hollow metal sash, bond, ornamental iron work, iron gates and grills, metal window guards, painting, wrought iron pipe. Contract awarded Turner Const. Co., 1713 Sansom street, Philadelphia.

Warehouse, Marshall below Market street, Philadelphia. Architect, private plans. Owners, A. S. Datz & Son, on premises, 142 North Front street, Philadelphia. Reinforced concrete, 7 stories and basement, 63x36 feet, slag roof, cement floors, elevators, ornamental iron, sprinkler system, Peele doors, steel sash and skylights, steam heat, electric light, steel partitions. Contract awarded Roydhouse-Arey Co., 112 North Broad street, Philadelphia.

Manufacturing Building (add.), Southeast Corner Second and Erie avenue, \$52,000. Engineers, Stofflet & Tillotson, Wesley Building, Philadelphia. Owners, Certaineed Products Corp., on premises. Reinforced concrete and brick, 1 story, 48x154 feet, 10x24 feet, cement floors, rolled steel sash, hollow metal doors, ornamental iron work (plumbing, heating and electric reserved). Contract awarded to Stofflet & Tillotson, Wesley Building, Philadelphia.

Welfare Building, Specification "WB," Navy Yard, Phila., \$167,000. Owners, U. S. Government, G. S. Durrell, Captain C. H. Dickens, Navy Yard, Phila. Removal of existing building, concrete piles and copas plain and reinforced shingle and built-up roofing, sheet metal, wood frames, sash doors and trim, plastering, metal lath, plaster board, stucco, metal-covered doors, sash and frames, slate and tile work, refrigerator. Contract awarded McCormick-Lenham, 2403 South Broad street, Philadelphia.

Residence (alts.), 2017 South Broad street, Philadelphia. Architect, Henry Coscia, 1611 South Fifteenth street, Philadelphia. Owner, A. Manieri, 2316 South Broad street, Philadelphia. Terra cotta, hot water heat, electric light, tile work, slag roof, composition floors, metal ceilings, metal bulks. Contract awarded F. Lucci, 1603 Ellsworth street, Philadelphia.

Storage Building (add.), 837 Carpenter street, Philadelphia. Architect, Henry Cos-

ora, 1611 South Fifteenth street, Philadelphia. Owner, Nazario Monticello, 1002 South Ninth street, Philadelphia. Brick, second floor, 17x102 feet, slag roof, pine floors, elevators, rolled steel sash. Contract awarded Silvestri Milchiorrio, 1605 South Tenth street, Philadelphia.

Office Building, Sydenham and Walnut streets, Philadelphia. Associate architects, Heacock & Hokanson, 1211 Chestnut street, and the Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Mutual Trust Co., Fourth and Market streets, Philadelphia. Stone, brick, steel, concrete, 18 stories. Contract awarded for demolition to Mr. Sarentino & Co., 921 Catherine street, Philadelphia.

Store and Apartment, 626-36 North Sixty-second street, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, name withheld. Brick, 2 stories, 20x80 feet, slag roof, hardwood floors, hot water heat, electric light, tile work, metal bulks, plate glass. Contract awarded C. H. Booker, 2257 North Uber street, Philadelphia.

Hotel (alts.), Chestnut street below Thirteenth street, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Hotel Adelphia, Thirteenth and Chestnut streets, Philadelphia. Heating and lighting alterations, hollow tile, marble work, plumbing, carpentry and mill work. Contract awarded F. G. Stewart, 1520 Locust street, Philadelphia, \$30,000.

School Building (alts.), City avenue, between Sixty-sixth and Haverford avenue, Overbrook. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Friends' Central School, Fifteenth and Race streets, Philadelphia. General interior alterations, class rooms, gym, etc., grading athletic field. Contract awarded Robert E. Lamb Co., 843 North Nineteenth street, Philadelphia.

Plant (alts.), Lawrence and Diamond streets, Philadelphia, \$10,000. Architect, private plans. Owners, M. L. Kirn & Son, on premises. Brick work, cement floors, plumbing, steel work, steam heat, electric light. Contract awarded F. G. Stewart, 1520 Locust street, Philadelphia.

Church (alts.), 3740 Germantown avenue, Philadelphia, \$8,000. Owners, Second Baptist Church, on premises. General alterations. Contract awarded to Thomas M. Keeley, 4411 Germantown avenue.

Residence, 8105 D street, Philadelphia, \$5,200. Architect, private plans. Owner, Harry W. Bense, 508 Arthur street, Philadelphia. Frame, 2 stories, 24x29 feet, shingle roof, hot water heat, electric lighting. Contract awarded to P. E. Goodman, 111 Huntingdon pike, Fox Chase.

Building (alts. and add.), 305 Montrose street, Philadelphia, \$4,500. Architect, private plans. Owner, M. Horwitz, 305 Montrose street, Philadelphia. Brick, 2 stories add., 27x42 feet 8 inches, general alterations. Contract awarded to Boiler Maintenance & Repair Co., Adams avenue, Frankford, Philadelphia.

Residence (alts.), 1738 North Fifteenth street, Philadelphia, \$3,000. Architect, private plans. Owner, Mrs. F. Epstein, on premises. General alterations. Contract awarded to S. Epstein, 1738 North Fifteenth street, Philadelphia.

Building (alts.), 1237 West Girard avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Bertha Mauenhoff, on premises. General alterations. Contract awarded to B. Arrow, 992 North Seventh street, Philadelphia.

Residences (2), South side Solly avenue, East of E street, \$3,500 each. Architect, private plans. Owner, J. A. Baehner, 7862 Oxford pike, Philadelphia. Brick, 2 stories, 16x26 feet, pine floors, pipeless heating, electric lighting. Contract awarded to H. W. Myers,

Southwest Corner Solly avenue and F street.

Building, 107 South Tenth street, Philadelphia, \$2,700. Owner, F. B. J. Branagan, Pilgrim Trust Co., 2411 North Broad street, Philadelphia. General alterations. Contract awarded to P. Kelly, 3445 North Sixth street, Philadelphia.

Residence (add.), 3827 Lancaster avenue, Philadelphia, \$2,000. Architect, private plans. Owner, J. C. Mazzotte, on premises. Brick, 2 stories, 16x14 feet, slag roof, pine floors, electric work. Contract awarded to Frank Palaisa, 1214 Wolf street, Philadelphia.

Building (alts.), Northwest Corner Fifty-fourth and Baltimore avenue, Philadelphia, \$5,500. Architect, private plans. Owner, Earl M. Forte, on premises. General alterations. Contract awarded to Fred G. Jay, 2651 South Sixty-seventh street, Philadelphia.

Residence (alts. and add.), 1216-18 Mifflin street, Philadelphia, \$4,500. Architect, private plans. Owner, G. D. Ruggerius, 1218 Mifflin street, Philadelphia. Brick, 1 story add., 4x15 feet, general alterations. Contract awarded to N. Mannarella, 1915 Tasker street, Philadelphia.

Garage, 1328-32 Bainbridge street, Philadelphia, \$25,000. Architect, private plans. Owner, Margaret Flaherty, 249 South Forty-sixth street, Philadelphia. Brick, 2 stories, 52x100 feet, slag roof, cement floors, electric lighting. Contract awarded to Joseph M. Flaherty, 249 South Forty-sixth street, Philadelphia.

Garage, 2017 North Front street, Philadelphia, \$23,000. Architect, private plans. Owner, Meyer Speiling, Bankers' Trust Building, Philadelphia. Brick, 1 story, 72x106 feet, slag roof, cement floors, electric work. Contract awarded to A. Delker, 1035 Walnut street, Philadelphia.

Residence (alts.) to Apartments, 1601 Wallace street, \$10,000. Architect, private plans. Owner, Louis Hessin, Liberty Building, Philadelphia. General alterations, hot water heat, electric light, hardwood floors, carpentry, mill work, plastering, plumbing, fire escapes. Contract awarded to J. J. L. Fawley Co., 1615 Spruce street, Philadelphia.

Store and Storage (alts.), 2937 Kensington avenue, Philadelphia, \$8,000. Architect, private plans. Owner, E. B. Nachtigal, 2947 Kensington avenue, Philadelphia. General alterations. Contract awarded to Shechtman Brothers, 1924 North Marshall street.

Apartment House (alts.), 207 North Thirty-fifth street, Philadelphia, \$5,000. Architect, private plans. Owner, George R. Reinhart, Jr., 1524 Chestnut street, Philadelphia. General alterations. Contract awarded to John F. Davies, 1021 Herbert street, Philadelphia.

Residences (9), East side Twenty-first street, North of Nedro avenue, \$4,500 each. Architect, private plans. Owner, E. Stahl, 5203 North Third street, Philadelphia. Brick, 2 stories, 15x38 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to E. C. Haldeman, 5907 North Twenty-first street, Philadelphia.

Store and Residence (alts. and add.), 2905 North Twenty-second street, Philadelphia, \$4,000. Architect, private plans. Owner, M. Segal, 2909 North Twenty-second street, Philadelphia. Brick, second story add., 12x16 feet, general alterations. Contract awarded to Sanberg & Naulty, 2622 South Ninth street, Philadelphia.

Warehouse (add.), 605 South Percy street, Philadelphia, \$3,000. Architect, private plans. Owners, Lipuppo Brothers, on premises. Brick, third story add., 23x25 feet. Contract awarded to Claro Const. Co., Pennsylvania Building, Philadelphia.

Building (add.), 307 Callowhill street, Philadelphia, \$2,700. Architect, private plans. Owner, Morris Cheekasky, Northwest Corner Eleventh and Ritner streets, Philadelphia. Brick, 1 story add., 6x35 feet. Contract awarded to Charles C. Patterson, 705 Callowhill street.

Bake Oven (rebuilding), Northeast Corner Sixty-second and Lansdowne avenue, \$2,500. Owner, Henry Heintz, on premises. Brick. Contract awarded to Otto Malz & Son, 2002 North Fourth street, Philadelphia.

Apartment (alts.), 361 East Cheltenham avenue, Philadelphia, \$2,000. Architect, private plans. Owner, Mrs. J. H. Crossingham, 36 East Tulpehocken street, Philadelphia. General alterations. Contract awarded to William C. Wright & Son, 22 Harvey street, Philadelphia.

Residence, 3360 Salmon street, Philadelphia, \$4,500. Architect, private plans. Owner, N. Antoneli, 3364 Salmon street, Philadelphia. Brick, 2 stories, 16x60 feet, slag roof, electric light, pine floors. Contract awarded to James Najdzinski, Sr., 3168 Richmond street.

Residence (alts.), 5849 Walnut street, Philadelphia, \$2,000. Architect, private plans. Owner, Mrs. Charles Hains, on premises. General alterations. Contract awarded to National Const. Co., 259 North Thirteenth street.

Store (add. and alts.), 328 South Fifty-second street, Philadelphia, \$3,000. Architect, private plans. Owner, M. Moore, on premises. Brick, second story add., 16x16 feet, general alterations. Contract awarded to Basch & Co., Ruan and Tackawanna streets.

Warehouse (alts.), 1725 Carpenter street, Philadelphia, \$2,500. Architect, private plans. Owner, Alex. Di Santi, 1404 Wharton street, Philadelphia. General alterations and repairs. Contract awarded to D. Shaperson, 921 North Eighteenth street, Philadelphia.

Building (add.), 123 Fernon street, Philadelphia, \$2,475. Architect, private plans. Owner, I. Betoles, on premises. Brick, second story add., 11x22 feet. Contract awarded to J. Valoff, 360 Jackson street, Philadelphia.

Residence (alts.), Southwest Corner Eighteenth and Montrose streets, \$2,435. Architect, private plans. Owner, A. Herrman, on premises. General alterations. Contract awarded to Seurci & Macrane, 734 South Seventh street, Philadelphia.

Apartment House, 331 South Smedley street, Philadelphia. Architect, J. Warren Myers, 1714 Bankers' Trust Building, Philadelphia. Owner, name withheld. Brick, steel, cut stone, 4 stories, 30x50 feet, slag roof, oak and pine floors, steam heat, electric light, metal lath, tile work, ornamental iron work. Contract awarded to J. L. Fawley, 1615 Spruce street, Philadelphia.

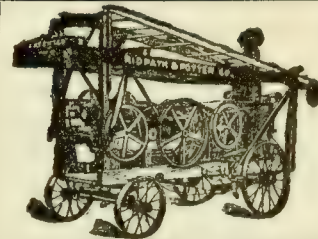
Residence, 4236 Spruce street, Philadelphia. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owner, Dr. A. I. Rubenstone, 1204 Spruce street, Philadelphia. Mill work, painting and glazing,

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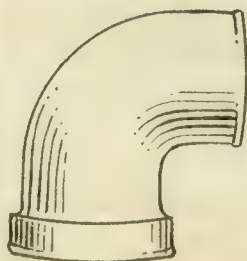
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plastering, slag roof, stair work, electric light, tile, marble work, slate work, plumbing, heating, linoleum. Contract awarded William Linker Co., 735 Cherry street, Philadelphia.

Store, Southeast Corner Chew and Phil-Ellena streets, Philadelphia, \$10,000. Architect, private plans. Owners, American Stores Co., Nineteenth and Hamilton streets, Philadelphia. Brick, 1 story, 25x60 feet, electric light, pine floors. Contract awarded to John T. Allen, Woodbury, N. J.

Garage (add.), 1625-29 Willington street, Philadelphia, \$7,150. Architect, private plans. Owner, William Balard, 1627 Willington street, Philadelphia. Brick, second story add., 67x71 feet, slag roof, electric work. Contract awarded to Tony Olivieri, 4518 Tackawanna street, Philadelphia.

Garage, 4444 Richmond street, Philadelphia, \$6,100. Architect, private plans. Owner, T. Karcaewski, on premises. Brick, 1 story, 148x18 feet, slag roof, cement floors, electric work. Contract awarded to A. Czepik, 2733 East Clearfield street, Philadelphia.

Residences (2), South side Bleigh street, West of Pennwyn street, \$4,000 each. Architect, private plans. Owner, Mary M. Barby, 143 East Willard street, Philadelphia. Frame, 2 stories, 14x36 feet, shingle roof, pine floors, hot water heat, electric light. Contract awarded to W. C. Barby, 7412 Whitaker street, Philadelphia.

Residences (2), East side Eighty-fourth street, South of Brunswick avenue, \$3,700 each. Architect, private plans. Owner, D. Cohen, 2608 South Eighty-fourth street, Philadelphia. Brick, 2 stories, 16x32 feet, slag roof, pine floors, pipeless heating, electric lighting. Contract awarded to John Klaus, 8408 Dicks avenue, Philadelphia.

Office and Bank (alts.), 1510-12 Chestnut street, Philadelphia, \$3,500. Owners, Corn Exchange National Bank, on premises. General alterations. Contract awarded to H. E. Baton, Inc., 1713 Sansom street, Philadelphia.

Miscellaneous Work, Philadelphia. Owners, City of Philadelphia, Department of Public Works, 216 City Hall, Philadelphia. Contracts awarded: Filling, Pattison street, Broad to Eleventh; Keystone State Const. Co., Franklin Bank Building, Philadelphia, \$250,000. Grading, Pattison, Seventh to Delaware River; Stange Const. Co., Bellevue-Stratford Hotel, \$425,000. Sewers, Oregon, Front to Fairhill; Pennsylvania Engr. & Const. Co., Real Estate Trust Building, Philadelphia, \$46,000. Packer, Pollock to Pennsylvania Railroad; J. Joseph McHugh, 1617 Race street, Philadelphia, \$130,000. Foundations, Queen Lane Sewer Extension, Keystone State Const. Co., Franklin Bank Building, Philadelphia, \$127,000. Furnish and lay water mains, Fortieth Ward; M. & J. B. McHugh, 892 North Markoe street, Philadelphia, \$150,000. Furnish and lay 6-inch and 12-inch water mains, Peter & A. J. Ellis, 5724 North Marshall street, Philadelphia, \$150,000. Water pipe in Oak Lane and Germantown, Peter & A. J. Ellis, 5724 North Marshall street, Philadelphia, \$350,000. Repaving, Reed, Water to Sixth; Acchione & Canuso, 840 South Second street, Philadelphia, \$31,000. Oregon, Weceacoe to Front; Edward Fay & Son, 2 South Mole street, Philadelphia, \$58,000. Paving, Fisk, Duncannon to Olney; Union Paving Co., Thirtieth and Locust streets, \$41,300. Walnut lane, Henry to Bridge (Walnut lane); Barber Asphalt Co., Land Title Building, \$20,900. Malvern, Fifty-eighth to Upland; Barber Asphalt Co., Land Title Building, Philadelphia, \$19,500. Repaving, Eighth, Germantown to Lehigh avenue; Baton Const. Co., 1713 Sansom street, Philadelphia, \$17,700. Grading, Ithal, Overbrook to Twenty-seventh; R. B. Wenner, 2315 Walnut street, Philadelphia, \$25,000. Paving, Colman, Fifty-eighth to Upland; R. B. Wenner, 2315 Walnut street, Philadelphia, \$17,400. Repaving, Columbia

avenue, Sixth to Eighth; Municipal Paving Co., 702 Catherine street, Philadelphia, \$147,000. Grading, Akron and Saul streets; Frank Mark Const. Co., 2820 North Twenty-first street, Philadelphia, \$13,358.22. Burton and other streets, Dewees Brothers, Fifth and Fisher's avenue, Philadelphia, \$11,433.60. Carlisle street, Sixty-seventh avenue to 150 feet north; S. C. Rotzell, care of owners, \$1,157.40. Devereaux, Summerdale to Roosevelt Boulevard; T. V. Monaghan, Water and Clarkson, Philadelphia, \$25,148.08. Shelmire, Torresdale to Edmunds street; Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$12,492.20. Lippincott and Thirty-third streets; Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$13,357.90. Wyncote avenue, Sixty-sixth street to Limekiln pike; Mack Paving & Const. Co., Nicetown and C street, Philadelphia, \$13,510.17. Schedule C, Asphalt Repaving, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$12,997.36. Schedule D, Country Road Improving, F. W. Levick, care of owner, \$10,993.75.

Store and Shop (add.), 6226 Race street, Philadelphia, \$3,000. Architect, private plans. Owner, A. Milano, on premises. Brick, 2 stories add., 15x16 feet, slag roof, pine floors. Contract awarded to John Mansolino, 6223 Girard avenue, Philadelphia.

Building (alts.), 109 South Fourth street, Philadelphia, \$2,500. Owners, Provident Mutual Life Ins. Co., on premises. General alterations. Contract awarded to F. A. Havens Co., 845 North Nineteenth street, Philadelphia.

Building (alts), 607 Market street, Philadelphia, \$2,250. Architect, private plans. Owner, S. Ritaff, on premises. General alterations. Contract awarded to Louis Cherry, 17 North Second street, Philadelphia.

Garage, 5817 Jackson street, Philadelphia, \$2,000. Architect, private plans. Owner, Matthias T. Cramer, on premises. Iron, 1 story, 80x16 feet. Contract awarded to Lewis Ulmer, 5113 Melrose street, Philadelphia.

Pennsylvania Construction News

High School, Bloomsburg, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, School Board, R. A. McCahren, Bloomsburg, Pa. Low bidders: Chas. McCaul Co., 1713 Sansom street, Philadelphia, \$318,000; Berwin Lumber Co., Berwin, Pa., \$353,015. Electric, F. P. Edward, Bloomsburg, Pa., \$7,650; plumbing, Mr. Eshleman, care of owners, \$12,950; heating and ventilating, E. Heeler Co., Williamsport, Pa., \$53,996.

Residence, York, Pa. Architects, Whitman & Royer, 47 East Market street, York, Pa. Owner, S. Y. Grass, 47 East Market street, York, Pa. Cinder block and stucco, 2½ stories, 40x35 feet, asbestos shingle roof, hardwood floors, vapor heat, electric light, tile work. Owner ready for bids due August 16th.

Equipment, Norristown, Pa. Construction engineer, W. W. Hibbert, Penfield Building, Philadelphia. Owners, Norristown State Hospital, R. L. Campman, business manager, Norristown, Pa. Ash elevators, ash car and truck, motor driven centrifugal pump. Deposit \$10, refund \$10. Owners taking bids, due August 17th 2 P. M., Daylight Saving.

Fire House, Shenandoah Heights, Pa. Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owners, Fire Company No. 1, Shenandoah Heights, Pa. Concrete block, stucco, brick, two stories and basement, 28x50 feet, structural steel, steam heat, electric light, built up roof, pine floors, plumbing, misc. iron work. Plans completed, ready for bids in a few days.

Sewer, Glenside, Pa. Engineers, Albright & Mebus, 1502 Locust street, Philadelphia. Owners, Board of Township Commissioners, H. C. Pike, Secretary, Elkins Park, Pa. Main outfall sewer for house drainage, Tacony Creek through Cheltenham Township, Montgomery County, Pa., from City Line to Mt. Carmel avenue, Glenside. Size of pipe 33 inches to 12 inches in diameter. Total length, 7.37 miles. Work will be divided into two sections. Also, Wyncote and Glenside sections branch sewers aggregating 8 miles 8-inch and 2 miles 10-inch pipe. Deposit \$20.00, refund \$20.00. Certified check 2% of amount of bid. Owners taking bids due August 20th 7 P. M., Standard Time.

Residence and Garage, Merion, Pa. Architect, C. H. Fries, Drexel Building, Philadelphia. Owner, Mrs. Ethel N. Evans, 1118 Marllyn road, Merion, Pa. Frame, stucco, 2½ stories, 30x55 feet, hot water heat, electric light, tile work, slate roof, hardwood floors, cement work. Architect ready for bids in one week.

Church and Sunday School, Drexel Hill, Pa. Architect, John B. Thompson, 34 South Seventeenth street, Philadelphia. Owners, Grace Evangelical Lutheran Church, Drexel Hill, Pa. Stone, cut stone, 1 story, 80x53 feet, structural steel, concrete, brick, iron and sheet metal work, Chapman slate, slag roof, quarry, tile and pine floors, metal lath, plastering, painting and glazing, hardware. Plans completed. Architect taking bids due Aug. 20th.

Residences (156) (semi-detached), Clifton Hights, Pa. Architect, private plans. Owner, Simon Kaplan, 243 South Sixty-second street, Philadelphia. Brick, stone, 2½ stories, 25x110 feet, size of lot, hot water heat, electric light, tile work, slag roof, hardwood floors, cement work, carpentry and mill work, plumbing. Owner taking sub-bids due as soon as possible.

Store and Apartment, Norwood, Pa. Architect, Henry Coscia, 1611 South Fifteenth street, Philadelphia. Owner, Joseph Focaccio, Norwood, Pa. Brick, plaster, 2 stories, 41x57 feet, slag roof, hardwood and tile floors, hot water heat, electric light, tile work. Plans completed. Architect ready for general bids.

Township Building and Garage, Abington, Pa. Architects, Tilden & Register & Pepper, 1520 Locust street, Philadelphia. Owners, Commissioners of Abington Township, Pa. Brick, concrete, cast stone, steel, 2 stories and basement, 71x39 feet, 103x41 feet, slag, variegated slate roof, cement and pine floors, 1 story and basement (heating, lighting, plumbing separate), cement work, metal window guards, floor hardener, ornamental iron work, ornamental plaster. Raymond Ambler, Secretary of Board, taking bids due August 17th, 7 P. M.

Building (alts.), Markley and Marshall, Norristown, Pa. Architect, private plans. Owners, Jordon Auto Co., Norristown, Pa. Brick, 1 story and basement, 28x100 feet, Barrett Specification roof, cement and wood floors, plumbing, steam heat, electric light. Owners taking bids due at once.

Residence (alts. to Apartments), Norristown, Pa. Architect, E. Lane Crawford, Boyer Arcade, Norristown, Pa. Owner, James M. Langan, Norristown News Agency, Norristown, Pa. General alterations, steam heat, electric light, tile work, carpentry, plastering, plumbing. Architect taking bids due August 13th.

Residence and Barber Shop, Phoenixville, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, Thomas Fusco, Phoenixville, Pa. Brick, 2½ stories, 52x21 feet, asphalt shingle roof, yellow pine floors, barber equipment, Morgan doors, electric work, steam heat (heating, plumbing, lighting reserved). Plans in progress. Owner will take bids.

Twin Residence, Royersford, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, Oliver H. Krasley, 229 Green street, Royersford, Pa. Brick, 2 stories, 36x36 feet, asbestos shingle roof, yellow pine and oak floors (heating, plumbing and electric lighting reserved), wood and steel sash. Plans in progress. Owner will take bids.

Completion of Building No. 14, Harrisburg, Pa. Architects, S. F. Ross and William Gehron, 101 Park avenue, New York. Owners, Department of Property and Supplies, B. H. Boyd, Harrisburg, Pa. Masonry, plastering, marble, bronze, hardware, cabinet work, cork floors, painting, electric light fixtures, moving picture screen. Owners taking bids due September 3rd at 11 A. M. Deposit, \$10 (refunded). Plans may be secured from architects.

House of Correction, Holmesburg, Pa. Architect, Philip S. Johnson, 1713 Sansom street, Philadelphia. Owners, Department of Public Welfare, Bureau of Charities and Corrections. Stone, steel, cut stone, 2 stories and basement, 6 wings, 120x40 feet (plumbing, heating, electric separate), asbestos shingle roof, cement floors, metal lath. Owners taking bids due August 25th, 11 A. M. (Standard Time). Plans will be ready August 10th. Certified check 5 per cent. of amount of bid. Bid also taken on oil burning apparatus for Home for Indigents, concrete pits for storage tanks. Bids due August 25th, 11 A. M.

Residence, Neffsville, Pa. Architect, M. B. Dechant, 632 Washington street, Reading, Pa. Owner, Sonford Miller, Lancaster, Pa. Brick, 2 stories, 30x30 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Owner will build.

Church, Auditorium and School, Frackville, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, Lithuanian Church, Frackville, Pa. Brick, steel, 2 stories, 150x50 feet, 45x55 feet, pine floors. Architect will be ready for bids in one week.

School, Convent, Gymnasium and Auditorium, New Philadelphia, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, Lithuanian Church, Rev. S. C. Meesuras, New Philadelphia, Pa. Brick, steel, 2 stories and basement, 88x26 feet, 64x56 feet, 34x88 feet, composition roof, hardwood and tile floors, safety treads, roof ventilators, iron stairs, fire doors, tile and marble (heating, plumbing and electric reserved). Architect will take bids in one week.

Masonic Temple, Pottsville, Pa. Architects, Muhlenberg Brothers, 611 Penn street, Reading, Pa. Owners, Pulaski Realty Co., Pottsville, Pa. Stone, limestone, brick, concrete, 4 stories and basement, 50x103 feet, concrete and maple floors, elevators, safety treads, roof ventilators, waterproofing and dampproofing, ornamental iron, iron stairs, rolled steel sash, tile and marble, metal lath, steam heat, electric light. Architects taking bids due August 13th.

Residence, Windber, Pa. Architect, Henry L. Reinhold, Jr. Owners, Berwind White Coal Mining Co., Windber, Pa. Plans completed. Owners taking estimates.

Township Building and Garage, Abington, Pa. Architects, Tilden & Register, 1520 Locust street, Philadelphia. Owners, Commissioners of Abington Township, Pa. Owners taking bids due August 17th, 7 P. M.

Masonic Building, Lehigh, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Masonic Hall Association, Lehigh, Pa. Architects taking bids due August 17th. (Note extension of time.)

Church, State College, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, State College Baptist Church, State College, Pa. Stone work, slate

roof. Architect will be ready for bids in a few days.

Church, Cheltenham, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Cheltenham Baptist Church, Cheltenham, Pa. Stone work, slate roof. Architects will be ready for bids in a few days.

Warehouse, Bethlehem, Pa. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owners, Bethlehem Plumbing Supply Co., Bethlehem, Pa. Architect taking bids due August 10th (note date).

Church, Auditorium and School, Frackville, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, Lithuanian Church, Frackville, Pa. Brick, steel, 2 stories, 150x50 feet, 45x55 feet, pine floors. Architect will be ready for bids in one week.

School, Convent, Gymnasium and Auditorium, New Philadelphia, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, Lithuanian Church, Rev. S. C. Meesuras, New Philadelphia, Pa. Brick, steel, 2 stories and basement, 88x26 feet, 64x56 feet, 34x88 feet, composition roof, hardwood and tile floors, safety treads, roof ventilators, iron stairs, fire doors, tile and marble (heating, plumbing and electric reserved). Architect will take bids in one week.

Apartment House (alts.), Reading, Pa. Architect, M. B. Dechant, 632 Washington street, Reading, Pa. Owner, C. G. Hunsberger, care of architect. Stone, 3 stories, 100x20 feet, slate roof, oak floors, general alterations, hot water heat, electric light. Architect taking bids.

Masonic Temple, Pottsville, Pa. Architects, Muhlenberg Brothers, 511 Penn street, Reading, Pa. Owners, Pulaski Realty Co., Pottsville, Pa. Stone, limestone, brick, concrete, 5 stories and basement, 50x103 feet, concrete and maple floors, elevators, safety treads, roof ventilators, waterproofing and dampproofing, ornamental iron, iron stairs, rolled steel sash, tile and marble, metal lath, steam heat, electric light. Architects taking bids due August 13th. (Revised bids.)

Ridley Park Central Office Building (alts.), Northeast Corner Tome and Ward streets, Ridley Park, Pa. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co. of America, Seventeenth and Parkway, Philadelphia. Stone, brick, steel, 1 story, 35x30 feet, slag roof, cement and composition floors, plumbing, hot water heat, electric light, metal lath, ornamental iron work, wrought iron pipe. Architect taking bids due August 17th.

Pennsylvania Contracts Awarded

Residence (alts.), Rydal, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Stuart W. Buck, on premises. Stone, brick (electric fixtures reserved), hot water heat, electric light, tile and marble work, shingle roof, tile and oak floors, painting, plumbing, Byers or Reading pipe, misc. iron. Contract awarded to W. J. Stevens, Wynecote, Pa.

Residence, York, Pa. Architects, Gemmill & Billmeyer, Rosemiller Building, York, Pa. Owner, Jack Silverman, York, Pa. Brick, 2½ stories, 60x50 feet, slate roof, hardwood floors, steam heat, electric light, tile work. Contract awarded to George W. Gilbert, Mason and Park avenues, York, Pa.

Residence, Lancaster, Pa. Architects, Hamme & Witman, City Bank Building, York, Pa. Owner, J. M. Hetrick, Woolworth Building, Lancaster, Pa. Stone, 2½ stories, 65x31 feet, 24x48 feet, slate roof, hardwood and tile floors, vapor vacuum heat, electric light,

metal lath, tile and marble work. Contract awarded to Herman Wohlson, Woolworth Building, Lancaster, Pa.

Residence, York, Pa. Architects, Whitman & Royer, 47 East Market street, York, Pa. Owner, C. W. Hoffman, York, Pa. Brick, 2½ stories, 40x30 feet, asbestos shingle roof, hardwood floors, vapor heat, electric light, tile work. Contract awarded to R. S. Woodruff, York, Pa.

Residence, York, Pa. Architects, Whitman & Royer, 47 East Market street, York, Pa. Owner, W. P. Gillatin, York, Pa. Brick, stucco, 2½ stories, 34x30 feet, shingle roof, hardwood floors, vapor heat, electric light. Contract awarded to R. S. Woodruff, York, Pa.

Road Work, Pennsylvania. Owners Department of State Highways, Harrisburg, Pa.

Cambria County, R-275, Conemaugh Township, \$146,554.20. Contract awarded to McClure & Bingner Co., Inc., Johnstown, Pa.

Bradford County, R-241, Tuscarora and Wyalusing Townships, Wyalusing Borough, \$365,769.66. Contract awarded to D. L. Dennis Co., Smethport, Pa.

Luzerne County, R-169, Bear Creek Township, \$41,761.72. Contract awarded to Wm. M. Moser, Mt. Carmel, Pa.

House and Garage, Ardmore avenue and Tunbredgn road, Haverford Township, Pa. Architects, Willing, Sims & Talbutt, Bankers' Trust Building, Philadelphia. Owner, Walter J. Hallahan, Haverford, Pa. Stone, brick, concrete, 2½ stories and 1½ stories, garage, 43x25 feet, residence, 114x30 feet, variegated slate roof, oak and pine and cement floors, painting and glazing, metal lath, tile and marble work, hollow metal sash, bond, ornamental iron work, surface waterproofing, flagstone, limestone, mineral wool. Contract awarded F. G. Stewart, 1520 Locust street, Philadelphia. Work to start September 15th.

Apartment House, Greenwood and Florence streets, Jenkintown, Pa. Architect, private family. Owners, Greenwood Realty Co., on premises. Brick, steel, limestone, 7 stories and basement, 141x64 feet, slag roof, oak, pine and cement floors, metal lath, tile, marble and terrazzo work, hollow metal sash, kalamein and hollow metal doors, architectural terra cotta, imitation travertine. Contract awarded John N. Gill Const. Co., City Center Building, Philadelphia, who is taking sub-bids due as soon as possible.

Store and Residence, Spring City, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, William J. Harris, New street, Spring City, Pa. Frame, concrete, 2½ stories, 32x42 feet, asphalt shingle roof,

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pine floors, store fixtures (heating, plumbing and lighting reserved), wood and steel sash. Contract awarded to William H. Thomas, South Main street, Spring City, Pa.

Warehouse (add.), Wilkes-Barre, Pa. Architect, private plans. Owners, Friedman's Express & Storage Co., Mr. Simon Friedman, 36 South Grant street, Wilkes-Barre, Pa. Brick, 4 stories add., 30x66 feet, slag roof, wood floors, structural steel, elevators, steel sash and doors, concrete work. Contract awarded to W. J. Kear, 59 Gildersleeve street, Wilkes-Barre.

Garage, Webster avenue, Wyncote, Pa., \$3,000. Architect, private plans. Owner, Walter Summerfield, Webster avenue, Wyncote, Pa. Concrete block, 1 story, 20x24 feet, shingle roof, cement floors, electric light, folding doors. Contract awarded Hood & Gross, 1613 Chestnut street, Philadelphia.

Garage, Tool House, Work Shop, Huntingdon, Pa. Architect, H. L. Reinhard, Jr., 1513 Walnut street, Philadelphia. Owner, A. Fisher, Huntingdon, Pa. Contract awarded Alexander & Hall, Huntingdon, Pa.

Sunday School and Parish House, Schuylkill Haven, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. John's Reformed Church, Rev. Dr. E. Noll, Schuylkill Haven, Pa. Stone, brick, 2 stories, 82x65 feet, slate and built-up roof, maple and concrete floors, electric light, tile and marble, floor hardener. Contract awarded to Rapp Const. Co., Lebanon, Pa.

Residence, Reading, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owner, H. L. Hoff, Gordon street near Buttonwood, Reading, Pa. Brick, 2½ stories, 40x70 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to C. H. Schlegel, 2250 Perkiomen avenue, Reading.

School, Centerville, Cumberland County, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, School District of Penn Township, Centerville, Pa. Brick, 1 story, 53x78 feet, slag roof, yellow pine floors, hollow tile, roof ventilators, terra cotta, (heating, plumbing and electric work separate). Contract awarded to W. H. Coyle, Carlisle, Pa.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Beaver County, R-347, A-3145, Franklin Township, 7,565 feet. One course reinforced concrete. \$71,708.20. Contract awarded to M. J. McMahon, Brookville, Pa.

Bridge, Manchester road, Upper Providence Township, Pa. Engineer, S. C. Hollister, Court House, Media, Pa. Owners, Delaware County Commission, George T. Wades, County Controller, Media, Pa. Brick, No. 49 concrete, 70-foot arch, 400 feet of approach roadway. Contract awarded Dunlevy Brothers, Coatesville, Pa., \$19,600.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Delaware County, R-180, Collingdale, Sharon Hill, Foleroff, Glenolden Boroughs, Ridley Township, \$571,440.63. Contract awarded to Union Paving Co., Thirtieth and Locust streets, Philadelphia.

Huntingdon County, R-33, 35, Huntingdon Borough, \$42,352.60. Contract awarded to A. A. Bollinger, Huntingdon, Pa.

Carbon County, A-3275, Lansford Borough, \$9,315.60. Contract awarded to DuBois Const. Co., DuBois, Pa.

Butler County, R-79, Butler Township, \$19,011.65. Contract awarded to A. R. Cooper, Idamar, Pa.

School (add. and alts.), Haverford, Pa. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owners, Haverford School, Haverford, Pa. Stone work, steam

heat, electric light, slate and tin roof. Contract awarded W. M. Young, 2037 North Sixty-third street, Philadelphia.

New Jersey Construction News

Residences (450), Thirty-first and Westfield avenue, Camden, N. J. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Hitchner & Todd, 2623 Westfield avenue, Camden, N. J. Brick, 2½ stories, 20x35 feet, slag and slate roof, hardwood floors, hot water heat, electric light, tile work, garages in basement. Owners will take sub-bids on first 50 in a few days.

Public School, Margate City, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City. Owners, Board of Education, Margate City, N. J. Lowest bidder: Norman McGale, Atlantic City, N. J., \$198,500.

Boys' Dormitory Building, Masonic Home, Burlington, N. J. Architect, Walter T. Arnold, Meriden, Conn. Owners, Secretary Board of Governors, Mr. I. Cherry, 143 East State street, Trenton, N. J. Brick, stone, reinforced concrete, 3 stories and basement, 182x42 feet, wing 43x54 feet (plumbing, heating, electric fixtures separate), slag roof, cement and maple floors, metal lath, tile and marble work, electric light, shoring, waterproofing, ornamental iron work, terra cotta blocks. Owners taking bids due September 1st, 12 o'clock (Daylight Saving Time). Certified check or bid bond, 2 per cent. of bid.

New Jersey Contracts Awarded

Residence, No. 1 Atlantic City Terrace, Atlantic City, N. J. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owners, J. Harper Chadwick & Co., Land Title Building, Philadelphia. Brick, 1 story, 17x44 feet, moving and remodeling into restaurant. Contract awarded to S. A. Lippincott, Atlantic City, N. J. (Note change in contractor.)

Residence, No. 3 Atlantic City Terrace, Atlantic City, N. J. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owners, J. Harper Chadwick & Co., Land Title Building, Philadelphia. Frame and clapboard, 2 stories, 30x28 feet, shingle roof, hardwood floors, tile work, gas heat, electric light. Contract awarded P. G. Hannum, Atlantic City, N. J. (Note change in contractor.)

Residence and Garage, No. 6 Atlantic City Terrace, Atlantic City, N. J. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owners, J. Harper Chadwick & Co., Land Title Building, Philadelphia. Concrete block, stucco, 2½ stories, 22x34 feet, 10x22 feet, tile roof, hardwood floors, electric light, tile work, cement work. Contract awarded S. A. Lippincott, Atlantic City, N. J.

Entrance Road, Camden, N. J. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Construction of Delaware River Bridge entrance road, Section 1, from Eleventh street to Cooper, in City of Camden; elevation of Federal street by means of concrete viaduct about 896 feet long, on concrete piles; construction of temporary detour road. Reinforced concrete pavement, granite block pavement, structural steel, reinforcing steel, excavation, concrete piles, structural concrete, waterproofing. Contract awarded to McLean Cont. Co., Fidelity Building, Baltimore, Md.

Coal Yard, Ferry and Jackson streets, Camden, N. J. Architect, private plans. Own-

ers, Atlantic City Railroad, Reading Terminal, Philadelphia. Contract awarded Nicholson Co., Inc., New York City.

Miscellaneous Construction News

Residence (alts.), Garrett Park, Maryland. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, Charles I. Corby, care of architect. Hardwood floors and paneling. Plans in progress.

Dormitory, Wellsley, Mass. Architects, Day & Klauder, Franklin Bank Building, Philadelphia. Owners, Wellsley College, Wellsley, Mass. Brick, stone, limestone, 3 and 4 stories, 350x40 feet, 5 wings, steam heat, electric light, slate roof. Architects taking bids.

State House (add.), Dover, Delaware. Architects, Brown & Whiteside, DuPont Building, Wilmington, Del. Owners, State of Delaware, Hon. R. P. Robinson, Dover, Del. Fireproof, brick, concrete, structural steel, 3 stories, 50x100 feet, concrete roof, tile or linoleum floors, gypsum block, waterproofing and dampproofing, ornamental iron work, iron stairs, tile and marble work, heating extension, electric light. Owners and architects taking bids due August 24th.

Residences (5), Carter street, Wilmington, Del., \$14,000. Architect, private plans. Owner, W. E. Cartwright, Bellefonte, Del. Cinder block, 2 stories, 12 feet 6 inches x 30 feet, slag roof, pine floors, pipeless heat, electric light. Owner will build.

Garages (10), Brown street, Wilmington, Del., \$4,000. Architect, private plans. Owner, Charles W. Gooding, 2607 Franklin street, Wilmington. Brick, 1 story, 10x18 feet, slag roof, concrete floors, electric lighting. Owner will build.

Ice Piles, Delaware Bay, Del., \$120,600. Engineer, United States Engineer, 1505 Race street, Philadelphia. Owners, United States Government, Washington. Low bidder: Triest Const. Co., 247 Park avenue, New York.

Road Work, Delaware. Owners, Department of State Highways, Delaware, Pa.

Low bidders: Contract No. 55, White Oak Road, 1 mile, Highway Engr. & Constr. Co., Selbyville, Del., \$10,757.00.

Contract No. CK11, Blackiston's Crossroads, Clayton, Comerford Construction Co., Fifth and Sansom streets, Philadelphia. Metal joint, \$139,672; open joint, \$139,081.

Contract CK29, Thompsonville, DuPont Road, Comerford Construction Co., Fifth and Sansom streets, Philadelphia. Metal joint, \$137,672.40; open joint, \$137,134.50.

Miscellaneous Contracts Awarded

Residences (6), Sycamore street, Wilmington, Del., \$30,000. Architect, R. C. Tindall, 914 Orange street, Wilmington, Del. Owners, Wilmington Homes Corp., 923 Market street, Wilmington. Brick, 2 stories, 16x41 feet, composition roof, hot water heat, electric light. Contract awarded to J. A. Bader & Co., Lackey Building, Wilmington.

Stores (alts.), Tenth and Tatnall streets, Wilmington, Del., \$2,700. Architect, private plans. Owner, Guy R. Ford, Tenth and Shipley streets, Wilmington, Del. General alterations. Contract awarded to W. F. Hadley, Claymont, Del.

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THE "SCIENCE" OF HOUSE PAINTING

By C. A. KNOWLES

It is surprising how many houses have their outside appearance hurt by a faulty color scheme. Many who recognize the necessity of carefully planning their interior decorations neglect the opportunity for individual expression that the exterior of their home affords.

When considering a color scheme keep these two points in mind: which scheme will make the house as a unit the most interesting and at the same time not be hurt or injure the appearance of houses near.

The color scheme of the house covers not only the color of the walls, the trim and the roofing but just how much contrast is to be worked in. Having decided all of this, the question arises as to whether the windows and sashes shall be the same color as the shutters? Shall the moldings be the same color as the main surface, or shall they be the same color as the windows; and what about the front door?

Every house needs an individual treatment. When planning the scheme the architectural and landscape features should be taken into consideration. A low rambling house, for instance, needs to be painted so that the apparent height will be increased. The width must not be accentuated by painting in any contrasting tones running crosswise. The tall, narrow house built on the narrow lot needs just the opposite treatment.

The number of windows in the house has to be considered too. If there are a great number of openings, they must not be made conspicuous or they will make the exterior seem broken up and confusing. On the other hand if there are large wall surfaces with few openings, the exterior may be given character by the window and shutter treatment.

Take the type of house that is so popular all over this country, the Colonial house. While it is painted white with green blinds the most often, there are a dozen other combinations just as pleasing if not as characteristic.

If the house is small, cream with a chocolate brown roof is pleasing. Beaver brown, with cream blinds, brown door panelled in cream, the rest of the entrance in cream with an opalescent roof, red brick house with green shutters and ivory entrance, opalescent roof, sand colored brick house with gray-blue shutters, door and entrance detail, roof combination of two colors: cream stucco walls, white window casings, beaver brown shutters, door and roof: these combinations are all good. If it seems desirable to introduce an unusual note with cream or gray walls robin's-egg blue—a color that improves with time—gives a charming effect, when used for doors or shut-

ters. If the house is small the color of the foundation and chimneys has to be taken into consideration lest it produce a jarring note in the color scheme.

In regard to the roof the rule is to keep the trim and shutter treatment conservative if the color of the roof is pronounced. The drab roof is not being used any more. Now something more is asked of the roof than it shut out rain and weather. It has a threefold mission; besides its utilitarian function, it should suggest shelter and add to the general attractiveness of the home.

The colored roof wisely chosen often relieves monotony, adds individuality, and creates the "atmosphere" of the home to a great extent. The reason that the roof is so important in the color scheme is that its size and position make it conspicuous. It is always the largest unbroken expanse of the house and for that reason has an opportunity of setting the color keynote.

Colors bring their own definite reactions. A fresh blue-green roof arouses a feeling of rest and coolness; the roof in two tones of brown or red creates an atmosphere of warmth. It is only when the roof is in harmony with the rest of the house that it contributes its full share of beauty to the home.

For years, one's choice of color in shingles was limited to plain colors such as black, red and green. Now almost any color desired can be had. Shingles are often dipped to match a particularly desired tone that the individual desires. In the slate surfaced shingles there are four new effects: opal, bronze, mosaic, tapestry tan, and onyx where weathered brown is blended with other colors on the same shingle produces an artisticness.

Another point to remember in choosing the color for the roof is that the treatment that is so perfect on your neighbor's house may be a flat failure on your own English cottage.

There are rather definite principles of color harmony which determines all good effects. There are two general treatments of the roof color: it may be selected either to contrast well with the color of the house or to blend with it. The treatment chosen will depend on whether it is wished to emphasize or subdue the roof as a part of the architectural scheme.

A practical way to actually test the color scheme that you are planning on your house is to obtain from a paint manufacturer colored circulars showing houses and roofs in various colors. Cut the roof from the house that you choose and using it as a pattern, cut a number of roofs from the roofing shown and slip them on the roofless house. In this way one can gain a very good idea of what the effect will be like.

There is a right and wrong time to paint just as there is to plant the garden

or trim the fruit trees. If a house is painted before the plaster has dried out unless unusual pains are taken to ventilate the house, much of the moisture in the plaster will force its way through the siding or clapboards. This will cause the paint to blister and peel. Painting before the basements have had a chance to dry out has the same effect.

In painting a new house, all knots and pitchy, sappy places should first be given a brush coat of shellac. This heals the surface and prevents the pitch coming through the paint later on. Nail-holes and cracks should not be puttied until after the priming coat.

Where the building has been previously painted, the surface should be absolutely free from dirt, dust, and grease

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before the painting is started. The paint will not hold if the surface is not clean. Of course, old, loose paint should be taken off with a stiff wire brush or scraper. (If the condition is very bad, it may be necessary to use the painter's blow torch to remove it.) When the paint is on good, but the surface is dirty, it is advisable to wash it. To do this, use pure linseed oil soap or ivory soap and water applied with a sponge. The surface must not be painted until it is perfectly dry.

It is possible for unfavorable weather conditions to spoil a job. If a rain is threatening the paint job should wait as a hard rain can ruin a newly painted surface. The hot, summer sun beating down on fresh paint has tendency to blister it. When painting in the summer it is a good plan to work in the shade.

A painter will caution the beginner to keep the paint stirred to a uniform consistency and not to apply it too thick lest it peel. If it is applied too thin it is transparent. The brush stroke is from left to right and back again, using firm, heavy strokes so that it is brushed thoroughly into the wood.

Many skilled painters regard the priming coat as the most important coat. The priming coat is of especial importance on new buildings for it is the foundation coat applied directly to the wood, and all subsequent coats that are applied to the surface are dependent upon it for satisfactory results.

The priming coat must be of as high quality as any other, but of thinner consistency.

The best way is to use the same paint for priming that will be used for finishing coats, but reduced with linseed oil and turpentine.

The second coat on the new house will want to be reduced with linseed oil, too, to produce sufficient oil to fill the pores of the wood and still leave an ample amount of oil to bind the paint pigment. The addition of turpentine to the first coat insures proper penetration, and to the second, cuts the gloss and provides a "tooth" to assist the following coats to adhere to. The first coat should never be applied to an absorbent surface without having some turpentine in it.

One coat should not be allowed to stand until it has become bone hard before the following coat is put on. If allowed to get too dry the next coat will not stick as well.

On new work, the priming coat is usually counted as one coat, three coats being needed for a really good job. For repaint jobs, two coats are generally sufficient.

Many feel that in the town or city, where the air is filled with smoke, one coat put on at reasonably frequently intervals is the best plan.

Painting stone, stucco or brickwork presents a different problem in each instance from painting wood.

—*Keith's Magazine.*

POINTERS ON APPLYING PORTLAND CEMENT STUCCO

Properly mixed and applied, portland cement stucco provides an exterior wall covering unequalled for beauty and durability. As with other materials of construction, success in its use requires the observance of certain fundamental principles.

A firm unyielding base upon which to apply the stucco is of first importance. Concrete masonry is ideal in this respect, providing, as it does, a permanent base to which the stucco clings tenaciously. Concrete block and building tile used for the purpose should preferably have a rough, coarse texture to provide a good key or mechanical bond as well as a certain suction which aids in the application of the stucco. Mortar joints should be cut flush with the wall surface and left unpointed to secure additional bond.

Just before applying the first coat, dust and loose particles should be brushed off and the wall surface wetted sufficiently to prevent the absorption of water from the stucco. Wetting, however, should not be continued until water remains standing on the surface, for this results in a loss of suction and makes application more difficult.

For all coats, mortar mixed in the proportion of one sack of portland cement (one cubic foot) to three cubic feet of sand is considered most satisfactory. Hydrated or well-slaked lime is sometimes added to give the mixture greater plasticity, but the amount should never exceed 10 pounds for each sack of cement used. Exactly the same proportions of cement, sand, water, coloring matter, and other ingredients must be used in successive batches for the same coat in order to give the finished surface a uniform appearance.

Thorough mixing of all batches is essential. The recommended procedure is to mix the cement and sand dry, preferably with a machine mixer, until the mixture is of uniform color throughout. Then only enough water should be added to produce, after thorough mixing, a mortar that is plastic and workable. Limit size of batches so that any one batch can be applied in 30 minutes or less.

Sand used in portland cement stucco mixtures should be clean, well graded and pass through a screen with 8 meshes to the linear inch. Dirty sand should be avoided, as it weakens the mixture and may result in a streaky finish. Clean water is, of course, necessary.

Carry on the plastering in one general direction without allowing mortar to dry

along working edges. Each coat should be roughened or scratched before it hardens to provide key for the next coat. The number and thickness of coats to apply will depend somewhat on the evenness of the base and the finished texture it is intended to produce. A combined thickness of not less than $\frac{5}{8}$ inch is advisable whether stucco be applied in two or in three coats. The finish coat is usually not applied until the previous coat has been on a week. Sprinkling the surface for three or four days after stucco is applied to assist in proper curing is considered good practice.

For obtaining colored finishes use only mineral pigments. Other pigments are likely to fade and reduce the strength of the stucco. In no case should the amount of color pigments exceed 10 per cent. of the weight of the cement used. In other words, do not use more than nine pounds of color to one sack of cement (94 pounds.) The addition of larger amounts is likely to reduce the strength of the resulting mixture.

Variations in the color of the cement, aggregates and in the pigments themselves are such as to make color formulas only approximate. Best results are obtained by experiment or trial. The proportion of coloring matter to cement to produce the exact shade may be determined by preparing a number of small mortar panels which should be made of the same materials and proportions as are intended to be used in the actual work. Store the samples for about five days under conditions similar to the actual work. Then the shade desired for the work may be selected and the proper amount of coloring pigment ascertained.

Texture as well as color plays a prominent role in achieving harmonious and artistic surface effects. The underlying motif of all textural finishes in a plastic material is a frank display of the technique of application. The marks of the trowel, the float and other tools used in the trade should be accentuated, rather than concealed, akin to the distinctive touches supplied by the artist's brush marks on the surface of an "old master."

—*Concrete House Magazine.*

Just remember this: Give out courtesy, kindness, patience and good-will, and you'll get them all back with compound interest. The men who deserve to rank in Class A do not chew the lint and fuss about the small misfits of life. To take what comes and forget the rest is wisdom. Let Braggo give the janitor the call, and the Hall Boys have it out with the Ashbox Inspector—you can't afford to soil your soul with small scraps. Fight on a big scale, or not at all. The folks who have trouble with ushers are always looking for trouble—and find it. Smile, old boy, smile!

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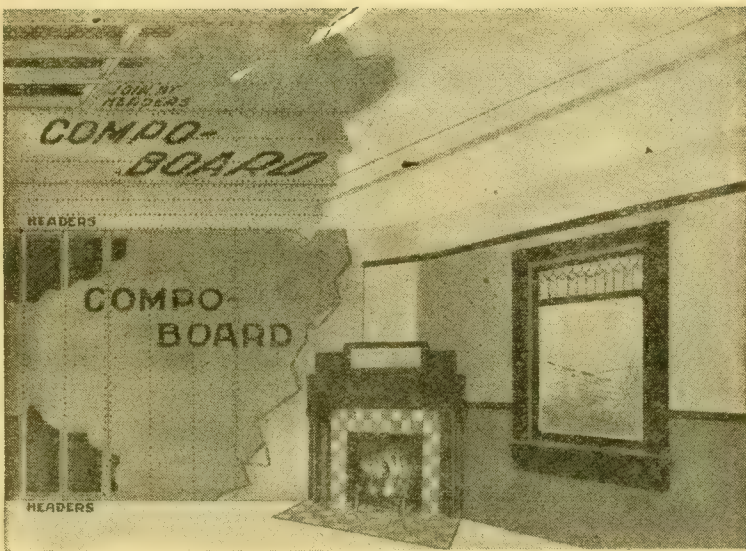
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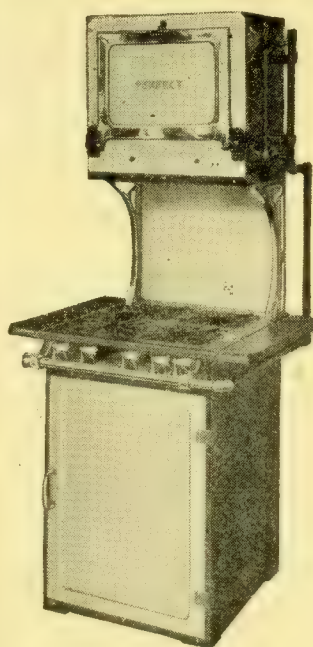
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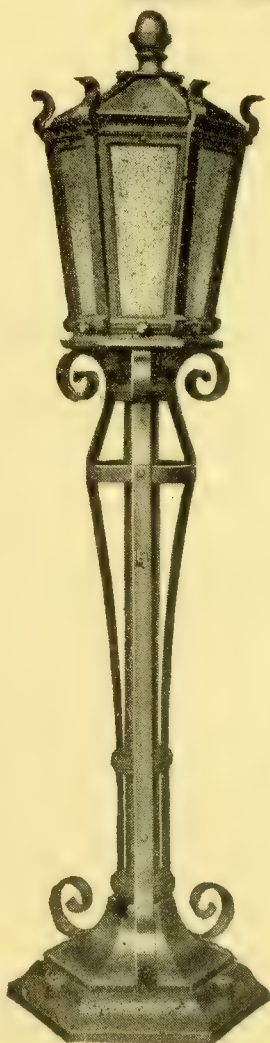
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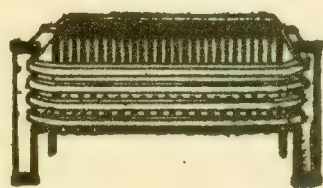
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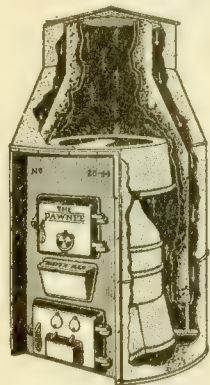
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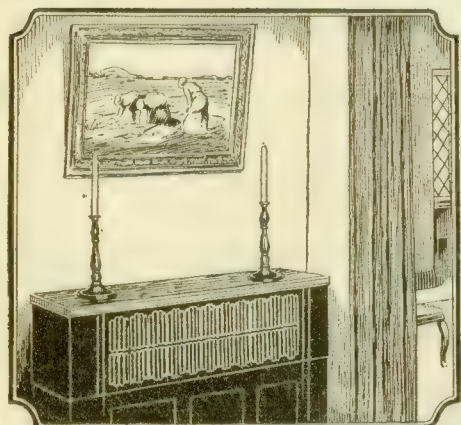
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XL
Number 33

PHILADELPHIA
August 19, 1925

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CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED: ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residences (43), Walker street, St. Vincent and Princeton streets, Philadelphia. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Owners, Fred Quate & Max Cohen, 544 South Fifty-ninth street, Philadelphia. Brick, two stories, 16x39 feet, slag and tin roof, hardwood floors, hot water heat, electric light, imitation tile, garages in basement. Owners ready for sub-bids in a few days.

Residences (150), Eighteenth and Rockland streets, Philadelphia. Architect, private plans. Owner, George Schwinn, Sixteenth and Nedro avenue, Philadelphia. Brick, two stories. Work contemplated.

Store and Office Building, northeast corner of Thirteenth and Chestnut streets, Philadelphia. Architect, Ralph Benckert, Bellevue Court Building, Philadelphia. Owner's name withheld. Brick, steel, concrete, six stories, 77x20 feet. Plans about completed, ready for bids in a few days.

Residences (20), west side of McKean avenue, south of Manheim and southwest corner, Philadelphia, \$151,000. Architect, private plans. Owners, John J. Bateman & Son, 5600 Germantown avenue, Philadelphia. Brick, two stories, 16x51 feet, hot water heat, slag roof, electric work, oak and yellow pine. Owner will build.

Church (alts.), north side of Cheltenham avenue, east of Boyer street, Philadelphia. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Cheltenham Avenue Baptist Church, on premises. Bonds, concrete and cement work, stone work, cement floors, carpentry and millwork, plastering, hardware, iron work, plumbing, painting, glazing, electric work, flagstone (heating reserved). Architect taking bids, due August 20th.

Exhibition Building, Broad and Packer avenue, Philadelphia. City Architect, John Molitor, Bankers' Trust Building, Philadelphia. Owners, Sesui-Centennial Exposition,

Fifth and Chestnut streets, Philadelphia. All bids rejected. Owners will take new bids.

New House of Correction, Holmesburg, Pa. Architect, Philip H. Johnson, 1713 Sansom street, Philadelphia. Owners, Department of Public Welfare, C. H. Grakelow, Director, 593 City Hall. Brick, reinforced concrete, stone, steel, 2 stories and basement, 6 wings, 163x48 feet, center circle, slag and asbestos shingle roof, cement floors, metal window guards, shoring, ornamental iron work, iron stairs, bond, metal lath, rolled steel sash and skylights, bond, (40 per cent.) penal bond, granolithic floors, cut cast stone, hydrex waterproofing, caulking, alberne stone, cork insulation, vault lights, iron fences, iron doors, cell doors, monitor sash, metal corner beads, painting and glazing, hardware (plumbing, heating and electric separate bids). Deposit, \$75. Refunded, \$60. Certified check, 5 per cent. of amount of bid. Owners taking bids due August 25th, 12 noon (Daylight Saving).

Office Building, Southeast Corner Thirteenth and Filbert streets, Philadelphia. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owner, Joseph Catlan et al., care of architects. Brick, cut stone, steel, 12 stories and basement, 106x72 feet, slag roof, maple and cement floors, hollow tile elevators, shoring, ornamental terra cotta, ornamental iron work, bond, kalamein and hollow metal doors, copper skylights, rolled steel and hollow metal sash, tile, marble and terrazzo work, metal lath, granite, limestone, pre-cast stone, membrane waterproofing, floor hardener, mackite fireproof partitions, steel stairs, mail chute, hardware, painting and glazing. Architects taking bids.

Dyeing and Cleaning Plant, Southeast Corner Heiskill and Magnolia streets, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, The Herzog Co., Inc., on premises. Brick, re-

inforced concrete, steel, 1 story, 171x110 feet, wing 132x147 feet, slag roof, cement and oak floors, hollow tile, safety treads, roof ventilators, architectural terra cotta, ornamental iron work, floor hardener, bond, fire doors, sheet metal skylights, rolled steel sash, metal lath, tile and marble work, rolled steel shutter, safety treads, steel partitions, linoleum floors, hardware, granite, limestone. Architects taking bids due August 20th.

Residence (alts. and add.), Cheltenham avenue and York road, Philadelphia. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, Harrison S. Morris, Liberty Building, Philadelphia. Cement block, stone, cut stone, steel, 2½ stories, 1½ stories and basement, 72x28 feet, garage, 20x24 feet, shingle and tin roof, oak and pine floors, painting and glazing, metal lath, ornamental iron work (heating, plumbing, drainage, electric work, finished hardware, tile work, cork, composition floors reserved). Architect taking bids due August 21st.

Residence, Germantown, Pa. Architect, Edmund B. Gilchrist, 1618 Latimer street, Philadelphia. Owner, Benjamin Dintenfuss, 263 South Fifteenth street, Philadelphia. Stone, 2½ stories. Plans in progress. Ready for bids in a month.

Residence, 1920 Panama street, Philadelphia. Architect, Alexander M. Adams, 1012 Walnut street, Philadelphia. Owner, W. B. Stinson, care of architect. Brick, stucco, 3 stories, 25x32 feet. Plans about completed. Architect will soon take bids.

Apartment Building, 4111 Walnut street, Philadelphia. Architects and engineers, Watson Co., 522 Stock Exchange Building, Philadelphia; also 15 Park Row, New York City. Owners, Branson Bond & Mortg. Co., E. Branson, 520 Stock Exchange Building, Philadelphia. Brick, reinforced concrete, steel, stone, 8 stories and basement, 60x220 feet, steam

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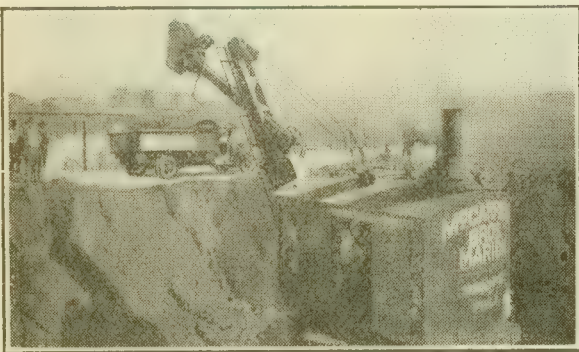
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heat, electric light, tile and marble work, metal lath, slag roof, hardwood floors, hollow tile, elevators. Architects will be ready for sub-bids in three weeks.

Alterations and Additions, 2609-11 North Sixth street, Philadelphia. Architect, Edward Schoeppe, 316 South Fifteenth street, Philadelphia. Owners, Keeler Home, on premises. Shoring, brick work, cut stone, cement work, structural steel, iron work, steel sash, plastering, slag roof, painting and glazing, hardware, carpentry and mill work (electric, plumbing, heating, papering reserved). Architect taking bids due August 20th.

Alterations and Additions, 22-24 North Tenth street, Philadelphia. Architect, Joseph Margolis, Schaff Building, Philadelphia. Owner, name withheld. Stone, masonry, brick work, limestone, concrete and cement work, structural steel, iron work, carpentry and mill work, stair work, painting and glazing, stucco, metal lath, plastering, metal bulks, windows, hardware, hot water heating, plumbing, electric work. Architect taking bids due August 19th.

Store and Apartments, Fifth and Girard avenue, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owner, J. P. Nolan, care of architect. Brick, stucco, steel, 3 stories, 20x100 feet, slag roof, hardwood and pine floors, steam heat, electric light, metal lath, tile and marble work, hollow metal skylights, store fixtures, bond, metal bulks, ornamental iron work. Plans in progress.

Apartment Building, Baltimore avenue, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, name withheld. Brick, steel, 4 stories and basement, 64x128 feet, 2 wings, 34x56 feet, slag roof, hardwood floors, elevators, fire tower, electric light, tile work, steam heat. Plans in progress.

Church (remodeling), 3536 North Sixteenth street, Philadelphia. Architect, J. Naschold, 5234 North Second street, Philadelphia. Owners, Trinity Lutheran Church, on premises. Stone work, new front, 2-story add. in rear, 40x40 feet, electric light, mill work, carpentry, general interior alterations, pine floors. Plans ready in about one week.

Factory, Germantown, Philadelphia. Architect, Samuel D. Milner, 1117 Foulkrod street, Philadelphia. Owner, name withheld. Brick, slow burning, 3 stories, 32x100 feet, electric light, slag roof, pine and cement floors, elevators, rolled steel sash. Plans in progress.

Stores and Apartments, Southeast Corner Thompson and Warnock streets, Philadelphia. Architect, Karl F. Otto, 1828 Arch street, Philadelphia. Owner, Rev. E. W. Johnson, 1302 North Twelfth street. Brick, steel, 3 stories and basement, 31x32 feet, slag roof,

cement, oak and pine floors, plumbing, painting and glazing, metal ceilings, gas radiation, electric light, metal lath, galvanized iron skylights, ornamental iron work, mineral composition floors, wrought iron pipe. Owner taking bids due as soon as possible.

Alterations, 146 North Tenth street, Philadelphia. Architect, private plans. Owners, Gould Brothers, on premises. Maple floor, metal ceilings, plate glass, plumbing, painting and glazing, carpentry and mill work, plastering. F. B. Davis & Son, 240 North Sixteenth street, Philadelphia, taking sub-bids due as soon as possible.

Sunday School, Tyson and Glenlock streets, Philadelphia. Architect, Samuel D. Milner, 1117 Foulkrod street, Philadelphia. Owners, Disston Memorial Presbyterian Church, Rev. J. Marshall Linton, 3300 Tyson street, Philadelphia. Stone, 2 stories and basement, steam heat, electric light, variegated slate roof, pine, maple, cement floors. Revised plans in progress.

Riding Academy, Rittenhouse street and Wissahickon avenue, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owners, Manheim Riding Academy, J. F. Foley, 5434 Germantown avenue. Revised plans in progress.

Stores (4) and Offices, Southwest Corner Twenty-second and Market streets, Philadelphia. Architects, Silverman & Levy, Elrac Building, Philadelphia. Owner, name withheld. Brick, cut stone, steel, 2 stories, 20x96 feet, composition (Hirsh) roof, maple floors, steam heat, electric light, metal lath, metal bulks. Plans in progress.

Residences (25), Sixty-sixth and Chester avenue, Philadelphia. Architect, J. S. Fuller, 5438 Locust street, Philadelphia. Owner, name withheld. Brick, 2 stories, 16x42 feet, slag and tile roof, hardwood floors, cement work, hot water heat, electric light, metal lath, tile work, garages in basement. Plans in progress.

Auto Sales and Service Building, Chester Pike at Parker avenue, Philadelphia. Architect, J. S. Fuller, 5438 Locust street, Philadelphia. Owner, M. Kerkowitz, 425 South Sixtieth street, Philadelphia. Brick, limestone, 2 stories, 50x140 feet, slag roof, cement floors, steam heat, oil burning equipment, electric light, tile work, rolled steel sash, metal ceilings, metal bulks. Owner ready for bids in a few days.

Russian and Turkish Bath House, Pine street, between Sixtieth and Sixty-first streets, Philadelphia. Architect, J. S. Fuller, 5438 Locust street, Philadelphia. Owner, Alex. O. Lucker, Thirty-fourth and Haverford avenue, Philadelphia. Brick, steel, concrete, 3 stories, 40x140 feet, slag roof, cement and tile, marble and wood floors, steam heat,

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Miscellaneous School Work, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Low bidders: Lee Cook School—William Langhorne, 10 South Eighteenth street, Philadelphia, \$7,575; Mitchell Brothers, 2125 Race street, Philadelphia, \$8,987; plumbing, S. Faith & Co., 2427 Pennsylvania avenue, Philadelphia, \$5,527. Rodney School—William Langhorne, 10 South Eighteenth street, Philadelphia, \$20,494; L. C. Burrell, 1713 North Twenty-fourth street, Philadelphia, \$21,228; plumbing, S. Faith & Co., 2427 Pennsylvania avenue, Philadelphia, \$4,727; electric, Enterprise Electric Co., 239 South Tenth street, Philadelphia, \$2,284; heating, William McClintock, 900 West Arizona street, Philadelphia, \$16,448. Cook—Heating, W. McClintock, 900 West Arizona street, \$595. Specification 356, painting—O. B. Cannon, care of owners, \$932. Specification 360, painting—O. B. Cannon, \$363. Specification 363, painting—F. S. Miller, 237 South Twelfth street, \$475. Specification 335, repair to gymnasium, Kensington High—William Christy & Son, 1614 McKean street, Philadelphia, \$1,525. Specification 340, heating equipment, various—McClintock & Co., 5608 Race street, Philadelphia, \$899. Specification 373, electric—E. F. Goldhahn, 4335 Chestnut street, \$466. Specification 274, electric—H. Hart, 7010 Ditman street, Philadelphia, \$585. Specification 375, electric—H. Hart, 7010 Ditman street, Philadelphia, \$1,425. Specification 377, electric—Fred Erfling, 1810 Point Breeze avenue, \$375. Specification 379, electric—J. M. McNeill, 2729 South Eighteenth street, \$350. Specification 378—Enterprise Electric Co., 239 South Tenth street, \$622. Specification 380, electric—E. F. Goldhahn, 4336 Chestnut street, \$489. Specification 381, electric—Enterprise Elec. Co., 239 South Tenth street, \$612. Specification 382, electric—H. Hart, 7010 Ditman street, Philadelphia, \$995.

Store Water Sewage, Philadelphia. Packer, Broad to Tenth; Tenth, Johnson to Geary; Twentieth, Packer to Pattison; Pattison, Twentieth to Tenth; Tenth, Pattison to Hartmanft; Pattison, Tenth to Seventh; Seventh, Pattison to Johnson. Low bidder, J. Jos. McHugh, 1617 Race street, Philadelphia, \$287,857.17.

Supplies, School District of Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Kitchen equipment, Institution Equipment and Supplies. Owners taking bids due August 18th at 12 noon.

Apartment House, Southwest Corner Fifteenth and Spruce streets, Philadelphia. Architects, W. H. Gravell and Arthur Hall, Otis Building, Philadelphia. Owner, Richard S. Seltzer, 1423 Locust street, Philadelphia. Revised plans in progress.

Y. M. C. A. Building (add.), 1417-29 Arch street, Philadelphia, \$200,000. Architects, Building Bureau of the Y. M. C. A., care of A. Reinking, on premises. Owners, Y. M. C. A., care of J. M. Steele, president, 1417 Arch street, Philadelphia. Limestone, brick, steel, 1 story add., 125x170 feet, 4 stories add., 30x40 feet, slag roof, cement floors, steam heat, electric light, metal lath, ornamental iron work. Owners will build. Permit issued owners, care of A. Y. Reinking, 1417 Arch street, Philadelphia, who is taking sub-bids.

Residences (30), West side Akny street, North Bridge street, Philadelphia, \$122,000. Architect, private plans. Owners, P. J. & T. P. McFarland, 2409 East Allegheny avenue, Philadelphia. Brick, 2 stories, 17x36 feet (2), (28) 16x36 feet, electric work, hot water heat, slag roof, oak and yellow pine floors. Owners will build.

Residences (15), South side Decatur street, East Ditman street, \$61,000. Architect, private plans. Owner, Leon B. Miller, 614 Commonwealth Building, Philadelphia. Brick, 2 stories, 15 feet 6 inches x 35 feet, hot water heat, slag roof, electric work, oak and yellow pine floors. Owner will build.

Residences (54), Mapfel and Torresdale avenue, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Allen Scull, care of W. Earl Yonkers, 722 South Fifty-first street, Philadelphia. Brick, 2 stories, 16x36 feet, slag and tin roof, hardwood floors, hot water heat, electric light. Basement garages in 27. Metal lath and cement work. Owner taking sub-bids.

Residences (25), North side Vankirk street, Castor road to Loretta street, Philadelphia, \$127,000. Architect, private plans. Owners, P. J. & James T. Whelan, 432 Bankers' Building, Philadelphia. Brick, 2 stories, 16x44 feet, hot water, electric light, slag roof, oak and yellow pine floors. Owners will build.

Residences (36), North side Granite street, Loretta to Summerdale avenue, \$5,000 each. Architect, private plans. Owner, M. J. Best, Roosevelt Boulevard and Oxford pike, Philadelphia. Brick, 2 stories, 15x27 feet 10 inches, 12x12 feet, hot water heat, slag roof, oak and yellow pine, electric work. Owner will build.

Residences (4), West side Forty-fifth street, South Sansom street, Philadelphia, \$6,000 each. Architect, private plans. Owner, N. Litman, 1597 North Fifty-second street, Philadelphia. Brick, 3 stories, 16x30 feet, hot water heat, electric, slag roof, hot water heat, oak and pine floors. Owner fill build.

Residence, Southwest Corner Forty-fifth and Sansom streets, Philadelphia, \$8,000. Owner, N. Litman, 1597 North Fifty-second street, Philadelphia. Brick, 3 stories, 16x68 feet, hot water, slag roof, electric work, oak and pine floors (yellow). Owner will build.

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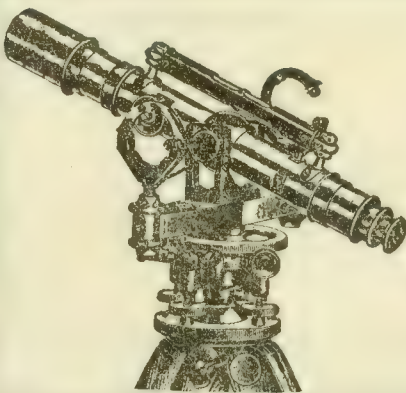
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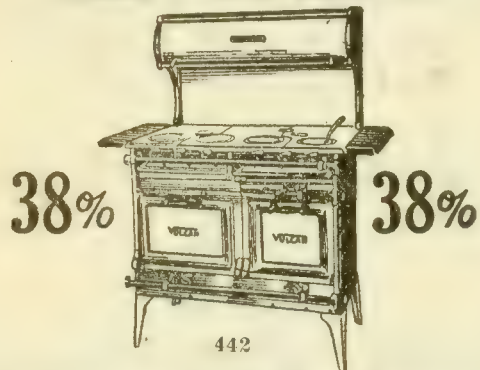
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Residence, West side Forty-fifth street, South Sansom street, Philadelphia, \$6,500. Owner, N. Litman, 1597 North Fifty-second street, Philadelphia. Brick, 3 stories, 15x60 feet, hot water, slag roof, electric work, oak and yellow pine floors. Owner will build.

Residence, West side Bellfield avenue; North Johnson street, Philadelphia, \$14,000. Architect, private plans. Owner, Michael D. Fay, 5643 Floyd street, Philadelphia. Stone, 2 stories, 32x38 feet, hot water heat, slag roof, electric work, oak and yellow pine floors. Owner will build.

Residences (10), South side Penn street, East Magnolia avenue, and Southeast Corner, Philadelphia, \$62,000. Architect, private plans. Owner, T. M. Abernathy, 247 West Chew street, Philadelphia. Brick, 2 stories, 14 feet 7 inches x 35 feet (9), 15 feet 4 inches x 43 feet (1), hot water heat, slag roof, electric work, oak and yellow pine floors. Owner will build.

Residence, East side Third street, South Sixty-sixth avenue, Philadelphia, \$8,000. Architect, private plans. Owner, A. G. Averweek, 544 Rising Sun avenue, Philadelphia. Brick, 2 stories, 30x42 feet, hot water heat, slag roof, electric work, oak and yellow pine floors, tile work. Owner will build.

Residence, East side Claridge street, North Bleigh street, Philadelphia, \$6,800. Architect, private plans. Owner, Peter Heidt, Jr., 7442 Whitaker avenue, Philadelphia. Brick, 2 stories, 16x40 feet, hot water heat, slag roof, electric work, oak and yellow pine floors. Owner will build.

Residences (4), North side Magee street, East Tabor street, Philadelphia, \$6,000 each. Architect, private plans. Owner, Theodore Kirmse, 6604 Oxford avenue, Philadelphia. Stone, brick, frame, 2 stories, 16x40 feet, hot water heat, slag roof, electric work, oak and yellow pine floors. Owner will build.

Residence (add.), 5649 Vine street, Philadelphia, \$6,000. Architect, private plans. Owner, Antonio Magee, 5649 Vine street, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, oak and yellow pine floors. Owner will build.

Store and Office, West side Chew street, North Tulpehocken street, \$8,000. Architect, private plans. Owner, Vin Di Stefano, 130 Porter street, Philadelphia. Brick, 2 stories, 15x49 feet, slag roof, hot water heat, electric work, oak and yellow pine floors. Owner will build.

Store and Residence, West side Chew street, North Tulpehocken street, \$7,500 each. Architect, private plans. Owners, Vin Di Stefano, 130 Porter street, Philadelphia. Brick, 2 stories, 15x29 feet 9 inches, and 11 feet 8 inches

x 19 feet 10 inches, slag roof, hot water heat, electric work, oak and yellow pine floors. Owner will build.

Residences (2), 610-612 Levick St., Philadelphia, \$3,800 each. Architect, private plans. Owner, Morris J. Levin, 604 Levick street, Philadelphia. Brick, 2 stories, 15x28 feet, 12x10 feet, hot water heat, slag roof, electric work, yellow pine floors. Owner will build.

Residences (4), West side Loretta street, South Loney street, Philadelphia, \$4,200 each. Architect, private plans. Owner, George Ramsey, Cheltenham, Pa. Frame, 2 stories, 16x42 feet, hot water heat, slag roof, electric work, oak and yellow pine floors. Owner will build.

Residence, Northeast side Henry avenue, West of Coulter street, Philadelphia, \$20,000. Architect, George S. Idell, Corn Exchange Bank Building. Owner, G. H. English, 72 North Cheltenham avenue, Philadelphia. Stone, 3 stories, 23x51 feet 10 inches, hot water heat, electric work, slate roof, oak and pine floors. Owner will build.

Store, 426-28-30 North Sixty-third street, Philadelphia, \$3,000. Architect, private plans. Owner, E. J. Smeu, 422 North Sixty-third street, Philadelphia. Brick, 1 story, 39x30 feet, yellow pine floors, slag roof. Owner will build.

Laying and Furnishing Small-Sized Water Pipes, Philadelphia. Owners, Department of Public Works, Bureau of Water, 216 City Hall. Laying and furnish small size water pipe in streets to be repaired. Low bidder: M. & J. B. McHugh, 892 North Markoe street, Philadelphia, \$65,112.50.

Residence, 1800 Pine street, Philadelphia. Architect, Edwin L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, Dr. Victor H. Frank, 1506 Locust street, Philadelphia. Brick, cut stone, tile and marble work, wrought iron pipe, structural steel, hardwood floors, carpentry and mill work, plastering, painting and glazing, electric work, plumbing and heating alterations, bond, new tin roof, electric. Architect and owner taking bids due August 18th.

Apartment House, West side Broad street, North of Cheltenham avenue, Philadelphia, \$225,000. Architect, E. A. Roth, Drexel Building, Philadelphia. Owner, care of architect. Brick, steel, 4 stories, 82x142 feet (32 apartments), vapor heat, electric light, tile and marble work, hollow metal skylights, fire and kalamein doors, ornamental iron work, slag roof, hardwood, tile and marble floors, elevators. Owner will sub-let in about one month.

Store Building, 1930 Chestnut street, Philadelphia. Architect, William Lowenthal, 1208 Chestnut street, Philadelphia. Owner, J. Goldman, 1624 Chestnut street, Philadelphia. Brick, stone, steel, 3 stories and basement, 22x80 feet, slag roof, pine floors, heating undecided, electric light, metal bulks. Plans in progress. Architect will be ready for bids in a few days.

Residence, Belfield and Johnson streets, Germantown, Philadelphia. Architect, E. A. Roth, Drexel Building, Philadelphia. Owner, Michael D'Fao, 5643 Lloyd street, Germantown, Philadelphia. Stone, 2 stories, 32x38 feet, hot water heat, electric light, tile and marble work, composition and Spanish tile roof, hardwood floors. Owner will sub-let.

Residences (42), 301-327 Edna street, Philadelphia (41), 300-326 Edna street, Philadelphia (14), 303-325 Champlost avenue (12), 301-327 Champlost avenue (2), \$175,600.

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Brick, 2 stories, 16x38 feet, 18x47 feet, slag roof, hot water heat, electric work, oak and yellow pine floors. Owners will build. Owner, Herman Britsch, 523 Nedro avenue, Philadelphia.

Cable and Signal Equipment, Philadelphia. Owners, Department of Public Safety, 215 City Hall. Owners taking bids due August 28th, 11 A. M. (Standard Time). Cable and signal equipment to be used in connection with the installation of traffic signals at

street intersection. Certified check, 5 per cent. of amount of bid.

Residence (alts.), 3546 North Eighteenth street, Philadelphia, \$2,900. Architect, private plans. Owner, W. B. Meixner, 3100 North Twenty-second street, Philadelphia. General interior alterations. Owner will build.

Incinerator, site not selected, \$600,000. Owners, Department of Public Works, Bureau of City Property, City Hall. Work contemplated.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence, west side of Southampton Road, south of Kelvin avenue, \$6,000. Architect, private plans. Owner, Frank H. Creutz, 2050 North Carlisle street, Philadelphia. **Frame**, two stories, 24x30 feet, hot water heat, shingle roof, oak and yellow pine floors, electric work. Contract awarded to D. C. Moyer & Co., 2344 North Carlisle street, Philadelphia.

Residence (alts. and add.), southwest corner of Sixty-sixth and Woodland avenue, Philadelphia. Architect, private plans. Owner, Solomon Berenson, on premises. Brick, stone (plumbing, heating and electric reserved), slag roof, pine floors, plate glass, copper work. Contract awarded to Woodland Construction Co., Sixty-fifth and Chester avenue, Philadelphia.

Hospital Buildings, Thirty-fourth and Pine streets, Philadelphia, \$2,683,095. Architect, Philip H. Johnson, 1713 Sansom street, Philadelphia. Owners, Department of Public Property, Bureau of Health and Charities, Dr. W. G. Krusen, City Hall. Brick, cut stone, concrete, steel (plumbing, heating, electric separate), asbestos built-up roof, cement, oak and pine floors, hollow tile, elevators, roof ventilators, metal window guards, shoring, dampproofing, ornamental terra cotta, ornamental iron work, steel stairs, bond, hollow metal sash, rolled steel skylights, tile, marble and terrazzo work, metal lath, bronze doors, brass pipe, electric, dumb waiters, travertine finish, granite, limestone, Hydrex waterproofing, ornamental iron fence, bronze grills, medium and narcotic closets, steel partitions, equipment for dental clinic, ornamental plaster, acoustical treatments, metal cornice beads, steel vault doors, casement windows. Clinic, ground floor and 1 story, 93x142 feet; Wards A to G, 4 stories and basement, 120x45 feet, 55x80 feet, 24x69 feet. Contract awarded F. W. Mark Const. Co., Commercial Trust Building, Philadelphia.

Alterations, 4605 Frankford avenue, Philadelphia. Architect, private plans. Owner, E. Jennison, 4630 Frankford avenue, Philadelphia. Interior alterations, carpentry and mill work, new bulks. Contract awarded Wintz Brothers, 1618 Sellers street, Philadelphia.

Shop Building, Powelton avenue, between Thirty-first and Thirty-second streets, Philadelphia. Architect, William Lowenthal, 1208 Chestnut street, Philadelphia. Owners, Pennsylvania Laundry, 321 North Twenty-second street, Philadelphia. Brick, 1 story, 38x90 feet, slag roof, cement floor, steam heat, electric light, rolled steel sash, copper skylights. Contract awarded Fred A. Havens Co., 845 North Nineteenth street, Philadelphia.

Residence, 603 West Cliveden street, Philadelphia. Architect, Frank E. Hahn, Seventh and Chestnut streets, Philadelphia. Owner, M. Spector, care of architect. Carpentry and mill work, brick work, tile work, plastering, painting and glazing, iron work, plumbing (alts.). Contract awarded George H. Evans, 105 North Thirteenth street, Philadelphia.

Hall (add.), 1811-13 Spring Garden street,

Philadelphia, \$20,000. Architect, Charles Mitchell, 15 South Twenty-first street, Philadelphia. Owners, D. F. McAllister & Son, on premises. Brick, 2 stories, 60x36 feet, 30x40 feet, steam heat, electric work, slag roof, yellow pine floors. Contract awarded E. E. Hollenback, 1804 Brandywine street, Philadelphia.

Hotel Walton (alts.), Broad and Locust streets, Philadelphia. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owners, Hotel Walton, on premises. Shoring, brick work, hollow tile, iron work, metal lath, plastering, carpentry and mill work, painting and glazing, cut stone, composition floors, electric work, plumbing, wrought iron pipe, steam heat. Contract awarded Murphy Quigley, 1524 Sansom street, Philadelphia.

Bungalow and Garage, Eleventh St., below Medary avenue, Philadelphia. Architect, Edwin L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, I. Gluck, 623 Market street, Philadelphia. Brick, stucco, 1½ stories, 50x50 feet, Spanish tile roof, hardwood floors, hot water heat, electric light, tile and marble work, cement work. Contract awarded John L. Kramer, 612 West Cambria street, Philadelphia.

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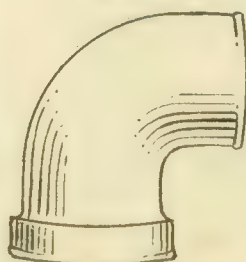
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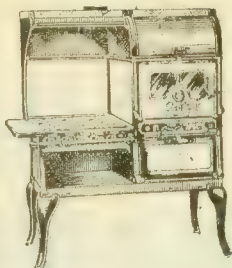
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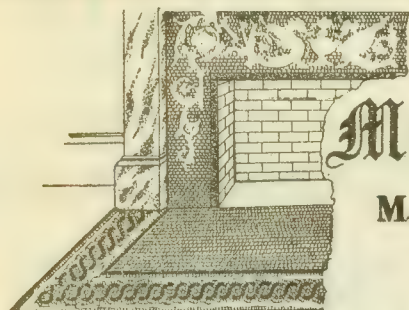


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street, Philadelphia, \$5,700. Architect, private plans. Owner, Victor Fermani, 1215 South Fifty-sixth street, Philadelphia. General interior alterations. Contract awarded A. N. Lowden, 734 South Fiftieth street, Philadelphia.

Residence, 6207 Frankford avenue, Philadelphia, \$5,000. Architect, private plans. Owner, James Bromily, Adams avenue and Leiper street, Philadelphia. Brick, 1 story, 28x66 feet, hot air heat, slag roof, electric work, yellow pine floors. Contract awarded George H. Thirsk, 4305 Horrock street, Philadelphia.

Tenement, 4501-03 Frankford avenue, Philadelphia, \$45,000. Architect, H. M. Hokanson, 1713 Sansom street, Philadelphia. Owner, Philip Hochman, 3051 Frankford avenue, Philadelphia. Brick, 3 stories, 39x50 feet, 22x62 feet, hot water heat, electric work, slag roof, oak and yellow pine floors. Contract awarded Barclay White & Co., 1713 Sansom street, Philadelphia.

Day House, Northwest Corner American and Bristol streets, Philadelphia, \$15,000. Architect, private plans. Owner, William Linton, 712 Fox Building, Philadelphia. Brick, 1 story, 60x95 feet, electric work, slag roof, cement floors, steel sash. Contract awarded A. E. Barnes & Co., 2044 East Clementine street, Philadelphia.

Residence, North side Stanwood street, East Loretta street, Philadelphia, \$7,500. Architect, private plans. Owner, Miss A. Thomas, 449 East Wyoming avenue, Philadelphia. Frame, 2 stories, 25x36 feet, electric work, shingle roof, yellow pine floors. Contract awarded William D. Babick, Somerton, Philadelphia.

Residence (add. and alts.), West side Prospect avenue, South Summit avenue, \$3,500. Architect, private plans. Owner, Robert Bolling, on premises. Stone, 2 stories, 16x21 feet, hot water heat, electric light, oak and yellow pine, slate roof. Contract awarded Melvin H. Grebe, 5 East Highland avenue, Philadelphia.

Residences (alt.), 219 Laurel street, Philadelphia, \$2,500. Architect, private plans. Owner, F. Petropsky, 1006 North Second street, Philadelphia. General interior alterations. Contract awarded Samuel Evans, 1132 Poplar street, Philadelphia.

Residence, Northeast Griffith street, East Frontenac street, Philadelphia, \$6,500. Architect, private plans. Owner, Joseph Hummel, 1703 Unity street, Philadelphia. Frame, 2 stories, 22x24 feet, pipeless, oak and pine floors, shingle roof, electric work. Contract awarded J. B. Steinhauer, 1628 Foulkrod street, Philadelphia.

Store and Residence (add.), 722 Passyunk avenue, Philadelphia, \$4,500. Architect, private plans. Owner, Ponfveo Donteria, 731 Passyunk avenue, Philadelphia. Brick, second and third, 10x10 feet, hot water heat, electric, oak and yellow pine, slag roof. Contract awarded to H. Berger, 4255 Ogden street.

Residence (add. and alts.), 232 West Willow Grove avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Elizabeth Le Shepparce, on premises. Stone, 1 story, 24x6 feet, oak and yellow pine floors, slate roof. Contract awarded John E. Walt, 204 East Willow Grove avenue.

Garage, Northeast Corner Richmond and Kennedy street, Philadelphia, \$3,800. Architect, private plans. Owners, Charles Lennig Co., Richmond and Kennedy streets, Philadelphia. Reinforced concrete and brick, 1 story, 30x68 feet, cement floor, slag roof. Contract awarded Albert Streher, 2723 Kirkbride street.

Hall and Store (alts.), 2837-39 Ridge avenue, Philadelphia, \$3,200. Architect, private plans. Owners, Yonah Tribe, No. 44, Improved Order Red Men, on premises. Carpentry and mill work, plastering, painting and glazing, electric work, hardware. Con-

tract awarded Hugh Hazlett & Son, 1701 North Second street, Philadelphia.

Store and Storage (alts.), Northeast Corner Ninth and Bainbridge streets, \$3,000. Architect, private plans. Owner, H. Bernholtz, Ninth and Bainbridge streets, Philadelphia. Carpentry and mill work, plastering, painting and glazing, general alterations. Contract awarded National Const. Co., 259 North Thirtieth street.

Residence, South side Duval street, East Stenton avenue, Philadelphia, \$7,000. Architect, private plans. Owner, P. Whalen, 545 Cheltenham avenue, Philadelphia. Brick, 2 stories, 16x41 feet, hot water heat, slag, oak and pine floors, electric work. Contract awarded J. Roman, 414 East Brighthurst street.

Residence, Southwest Corner Fountain and Silverwood streets, Philadelphia, \$4,500. Architect, private plans. Owner, John Szoltoze, 4708 Sheldon street, Philadelphia. Brick, 2 stories, 17x15 feet, 24x23 feet, hot water heat, oak and yellow pine floors, slag roof, electric work. Contract awarded F. C. Massa, Jr., 535 East Gerhard street, Philadelphia.

Residence, North side Harley street, West Eighty-first street, Philadelphia, \$3,000. Architect, private plans. Owner, M. J. Harvey, 5506 Delancey street, Philadelphia. Brick, 1 story, 18x41 feet, slag roof, yellow pine floors. Contract awarded R. Carr, 6906 Woodland avenue, Philadelphia.

Residence (add.), 1226 Federal street, Philadelphia, \$2,000. Architect, private plans. Owner, A. Raone, on premises. Brick, 1 story, 15x18 feet, slag roof, yellow pine floors. Contract awarded Compitelli & Saetano, Twentieth and McKean streets.

Store and Residence (alts.), 2927 North Twenty-second street, Philadelphia. Architect, private plans. Owner, Max Ruolf, on premises. General interior alterations. Contract awarded A. N. Tatro & Co., 2616 South Robinson street, Philadelphia.

Residence, North side Holstein, East Eighty-seventh street, Philadelphia, \$2,600. Architect, private plans. Owner, May Harn-dren, 8625 Holstein avenue, Philadelphia. Brick, 1 story, 22x38 feet, electric work, yellow pine floors, slag roof. Contract awarded J. Myers, 8004 Brunswick avenue.

Store and Residence (add. and alts.), 6610 Rising Sun avenue, \$2,500. Architect, private plans. Owner, Samuel Zacken, on premises. Brick, 1 story, 7 feet 9 inches x 13 feet, yellow pine floors, slag roof. Contract awarded S. R. Krewson & Son, Elkins Park, Pa.

Store and Residence (alts.), 2728 West Girard avenue, \$2,000. Architect, private plans. Owner, E. J. Magnin, 2728 West Girard avenue, Philadelphia. General interior alts. Contract awarded Frank I. Wintz, Inc., 1618 North Twenty-seventh street, Philadelphia.

Store and Residence (add. and alts.), Aspen and Markoe streets, Southeast Corner, \$2,000. Architect, private plans. Owner, Samuel Moore, 317 Wesley Building, Philadelphia. Brick, 2 stories, 9x14 feet, yellow pine floors, slag roof. Contract awarded Frank L. Howard, 1228 South Eighteenth street, Philadelphia.

Residence and Store (add.), 1832 North Seventh street, Philadelphia, \$2,200. Architect, private plans. Owner, Max Satenstein, 1832 North Seventh street, Philadelphia. Brick, 2 stories, 12x14 feet, electric work, slag roof, yellow pine. Contract awarded Louis Salgonick, 1202 South Sixth street, Philadelphia.

Garage, Northwest Corner Forty-eighth and Walton avenue, Philadelphia, \$2,000. Architect, private plans. Owner, J. Atlee Dean, on premises. Brick, 1 story, 18x36 feet, cement floors, slag roof. Contract awarded A. D. Young, 5725 Chester avenue, Philadelphia.

Alterations, 320 South Sixteenth street, Philadelphia. Architect, J. Christian Barth, 630 North Seventeenth street, Philadelphia.

Owner, Dr. Russell Richardson, on premises. Heating alterations, lighting, brick work, carpentry and mill work, plastering, painting, steel work, plumbing. Contract awarded J. Jones Davies, 641 North Eighteenth street, Philadelphia.

Manufacturing, North side Arch street, West Twenty-first street, Philadelphia, \$5,000. Architect, private plans. Owner, A. E. D. Newton, Nineteenth and Hamilton streets, Philadelphia. Brick, 2 stories, 26x99 feet, steam heat, electric work, slag roof, cement floors. Contract awarded J. N. Gill & Co., 121 North Broad street, Philadelphia.

Residence, West side Sixty-fifth street, North Girard avenue, Philadelphia. Architect, private plans. Owner, M. Gidgeo, on premises. Brick, 2 stories, 20x48 feet, hot water heat, electric work, slag roof, oak and yellow pine floors. Garage, 1 story, 17x17 feet, brick, \$1,000. Contract awarded J. Franklin Moss & Co., 1164 South Price street, Philadelphia.

Store, Northwest Corner Penn and Oxford streets, Philadelphia, \$6,000. Architect, private plans. Owner, John C. Clarkson, 4810 Penn street, Philadelphia. Brick, 1 story, irregular shape, slag and yellow pine floors. Contract awarded J. D. Fotheringham, 1000 Arrott street, Philadelphia.

Garage, Southeast Corner Germantown avenue and Church Lane, Philadelphia, \$3,000. Architect, private plans. Owner, Monroe N. Jolson, on premises. Brick, 1 story, 18x16 feet, slag roof, cement floor. Contract awarded Frank E. Mercald, care of owner.

Residence (alts.), 420 Cherry street, Philadelphia, \$3,000. Architect, private plans. Owner, H. Maxman, 406 North Sixth street, Philadelphia. General interior alterations. Contract awarded S. Yellin & Son, 3125 Montgomery avenue, Philadelphia.

Store and Residence (add. and alts.), Southwest Corner Sixth and Lycoming streets, Philadelphia, \$2,000. Architect, private plans. Owner, John McCrudden, 4208 North Sixth street, Philadelphia. Brick, third story, 20x10 feet, slag roof, yellow pine floors. Contract awarded T. Wilkinson, 1743 Church Lane, Philadelphia.

Alterations and Additions, 135 South Eleventh street, Philadelphia. Architect, private plans. Owner, John Ellis, on premises. Brick work, electric light, carpentry and mill work, plastering, painting and glazing. Contract awarded W. O. Springer, 2004 Naudain street, Philadelphia.

Residence (add.), 117 West Cumberland street, Philadelphia, \$2,300. Architect, private plans. Owner, William Yosie, 1244 North Palethorpe street, Philadelphia. Brick, 2 stories, 14x12 feet, slag roof, yellow pine floors. Contract awarded to William Hoyt, 1244 North Palethorpe street, Philadelphia.

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Pennsylvania Construction News

Church, Bridgeport, Pa. Architect, Louis H. Giele, 1123 Broadway, New York City. Owners, Sacred Hert R. C. Church, Bridgeport, Pa. Stone, brick, steel, cut stone, blue-stone, one story and basement, 70x110 feet, two towers 70 feet high (plumbing and heating reserved), electric light, metal lath, slate, tin and copper roof, pine floors, metal ceiling. Architect taking bids, due August 27th.

Mechanical Drawing Supplies, Chester, Pa. Owners, Board of Education, Chester County, Chester, Pa. Owners taking bids, due Aug. 28th, 7 P. M., for mechanical drawing supplies for Chester High School.

School (alt. and add.), Lima, Pa. Architect, Newton Flounders, Media, Pa. Owners, School Board of Middle Township, Media, Pa. General construction, heating, ventilating, lighting. Certified check \$200, also bond; deposit \$5.00 refunded. Architect taking bids, due August 22nd 5 P. M., Standard Time, to be opened 7 P. M.

Residence, Windber, Pa. Architect, Henry L. Reinhold, Jr., 1513 Walnut street, Philadelphia. Owner, E. J. Newbaker, Windber, Pa. General alterations. Preliminary plans in progress.

Orchard House (alts.), Green Pond Farms, Pa. Architect, C. M. Lovelace, Bethlehem Trust Building, Bethlehem, Pa. Owner, H. G. Snyder, Green Pond Farms, Pa. Frame, 2 stories. Plans in progress.

Residence and Garage, Green Pond Farms, Pa. Architect, C. M. Lovelace, Bethlehem Trust Building, Bethlehem, Pa. Owner, Mrs. C. M. Dodson, Green Pond Farms, Pa. Frame, 2 stories, 60x120 feet. Plans in progress.

Store and Office (alts. and add.), Center Square, Easton, Pa. Architects, Ruhe & Lange, 10 North Sixth street, Allentown, Pa. Owners, Farr Brothers & Co., H. H. Farr, 739 Hamilton street, Allentown, Pa. Brick. Preliminary plans in progress.

Residences (10), Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owner, Mr. J. Schnitzer, Allentown, Pa. Brick, 2½ stories, 24x48 feet, asbestos shingle roof, hardwood floors, hot water heat, electric light, tile work. Owner will build.

Store, Lancaster, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owners, Ross Store Co., Inc., 288 Sixth avenue, New York. Brick, steel, 3 stories, 33x150 feet, slag roof, maple floors, tile and terrazzo work, copper work, plate glass, metal ceilings, roof ventilators. Owners will take bids.

Parish House, Scranton, Pa. Architect, H. A. Duckworth, 711 Linden street, Scranton, Pa. Owners, St. Mary's Roman Catholic Church, Rev. P. C. Christ, 421 Hickory street, Scranton, Pa. Brick, stone, 3 stories, 60x150 feet, slate roof, hardwood floors, electric light, tile work. Architect ready for bids.

Sixty-ninth Street Terminal (add.), Upper Darby, Pa. Owners, Philadelphia Rapid Transit Co., care of Mr. Scanlin, 1520 Spruce street, Philadelphia. Work contemplated.

Residence (alts. and add.), Rosemont, Pa. Architects, Dreher & Churchman, Otis Building, Philadelphia. Owner, Walter S. Thomson, Rosemont, Pa. Stone, 2½ stories, general alterations and additions. Plans in progress.

Schools, Chester, Pa. Owners, Board of Education, Chester, Pa. New school buildings (2), 1-story Ward and Sun Village, additions to Clayton, Horace Mann, Eyre and Booker Washington Schools. Alterations to Starr, Harvey, Hoskin, Larkin, High, Lincoln, Powell, Jones, Martin, Morton Avenue, Graham, Howell, Gartside, McCay, Dewey, Furlow, Hubert, Watts Schools. Work contemplated. Subject to future appropriation.

School Building (remodeling), Ninth and Crosby streets, Chester, Pa. Owners, Chester School Board, George N. Benjamin, chairman of Board. Furnish lumber and material. Owners taking bids due August 28th, 7 P. M. (Standard Time). List may be secured at office of Secretary, Charles E. Sanrerson, Larkin School Building, Chester, Pa.

Jenrey Grade School, Melrose street, Chester, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, School Board of Chester, Chester, Pa. Brick, 2 stories and basement, 67x212 feet. Plans in progress.

Residence, Ithan, Pa. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owner, James Lazarus, care of architects. Stone, stucco, 2½ stories. Plans in progress.

Alterations and Additions to Parsonage, Phoenixville, Pa. Architect, J. V. Poley, 162 Second avenue, Royersford, Pa. Owners, Presbyterian Church, J. W. Waitneight, Chairman of Building Committee, 362 Second avenue, Phoenixville, Pa. Frame and stucco, cement block, one story and additional porch, slate roof, cement and tile floors, electric light, tile floors. Plans being prepared.

Garage and Service Station, Royersford, Pa. Architect, J. V. Poley, 162 Second avenue, Royersford, Pa. Owner, J. Golio, Second avenue, Royersford, Pa. Cement block, 1 story, 20x50 feet, service station, composition roof, cement floors, electric light, metal lath, partitions, door hangers, wood floors. Owner building.

School, Marion Heights, Pa. Architect, J. A. Barrett, Bowman Building, Scranton, Pa. Owners, St. Mary's Polish Church, Rev. V. L. Brosy, on premises. Brick, stone, 2 stories and basement, 75x35 feet, 30x24 feet, slag roof, hardwood floors, electric light. Owners will take bids in about a week, due September 1st.

School, Butztown, Pa. Architect, E. H. Wenzelberger, 224 Northampton street, Easton, Pa. Owners, Bethlehem Township School Board, A. Arbogas, Easton, Pa. Brick, steel, 1 story, 64x100 feet, slate roof, pine floors, hollow tile, roof ventilators, waterproofing and dampproofing, iron stairs, bond, skylights, metal lath (heating, plumbing and electric separate). Architect taking bids due August 24th.

Retaining Wall, Bridge No. 122, Sproul Highway, North of Baltimore Pike, Springfield Township, Delaware County, Pa. Owners, Delaware County Commission, care of G. T. Wade Co., Controller, Media, Pa. 120 feet of retaining wall, 5¼ feet sidewalk and 6-inch curb. Certificate check for \$500 required. Plans and specifications on deposit of \$1.00, no refund. Owners taking bids due August 25th, 11 A. M. (Standard Time).

Residence and Garage, Lafayette and Windsor avenue, Melrose, Pa. Architects, E. H. Silverman and Abraham Levy, Elrae Building, Philadelphia. Owner, Mrs. Samuel Gerstley, care of architects. Stone, brick, cut stone, concrete, stucco, 2½ stories and basement, 75x31 feet, 1½ stories, 23x26 feet, shingle roof, oak and pine floors, metal lath, hot water heat, electric light, tile and marble work, plumbing, metal weather strip, wrought iron pipe, flagstone, rubber tile floors. Architects taking bids due August 24th.

Community Center and School, Pine Grove, Schuylkill County, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Tremont Township School Board, Tremont, Pa. Fireproof, 2 stories, 60x100 feet, slag roof, maple floors, roof ventilators, safety treads, steam heat (heating, plumbing and electric separate), metal lath. Owners taking bids due August 24th.

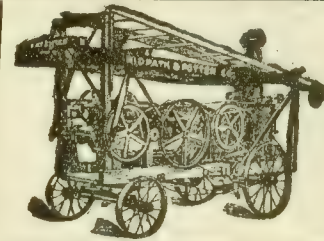
Residences (19) and Store, Third street, Darby, Pa. Architect and engineer, M. M. Boonin, 17 South Seventeenth street, Phila-

delphia. Owner, Albert Tennis, 6019 Market street, Philadelphia. Brick, stone, 2 stories, 15x36 feet, slag roof, oak and pine floors, hot water heat, electric light, metal lath in garages, flush bulks. Owner taking sub-bids due as soon as possible.

Residences and Garages (7), Allentown, Pa. Architect, private plans. Owner, Samuel Levin, 202 North Sixth street, Allentown, Pa. Brick, stucco, 2 stories and basement, 16x45 feet, Spanish tile roof, oak and pine floors, hot water heat, electric light, tile work. Owner taking sub-bids due as soon as possible.

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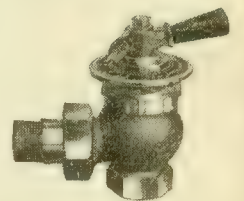
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Bungalow, Seventh avenue, Royersford, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, Samuel Brunner, 632 Church street, Royersford, Pa. Cement blocks, 1½ stories, 33x58 feet, hot air heat, electric light, wood sash, Morgan doors (heating, plumbing, electric reserved), asbestos roof, pine and oak floors, laundry and bath. Owner sub-let. Work started.

Warehouse and Garage, Bethlehem, Pa. Architect, H. J. Weigner, Bethlehem Trust Building, Bethlehem, Pa. Owner, Brown Borhak, Bethlehem, Pa. Brick, steel, 2 stories, 76x45 feet, slag roof, concrete floors, cinder block, roof ventilators, waterproofing and dampproofing, fire doors, steam heat, electric light. Owner sub-letting.

Convent, Wilkes-Barre, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre. Owners, St. Mary's Greek Church, Fr. Cholly, Wilkes-Barre, Pa. Brick, 3 stories, 50x26 feet, slate roof, pine floors, steam heat, electric light, metal lath. Plans in progress.

Hospital (add.), Wilkes-Barre, Pa. Architect, J. A. McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owners, Mercy Hospital, A. C. Campbell, Wilkes-Barre, Pa. Fireproof, brick, tile work, 44x100 feet, 44x70 feet, hollow tile, elevators, safety treads, waterproofing and dampproofing, iron stairs, tile and marble work, metal lath, electric light, heating extension. Architect taking bids due September 1st.

Stores and Show Room, Wilkes-Barre, Pa. Architects, J. A. and D. F. McGlynn, Simon Long Building, Wilkes-Barre. Owners, F. M. Miller Co., Wilkes-Barre, Pa. Brick, hollow tile, stucco, 1 story, 45x130 feet, electric lighting, slag roof, concrete floors, rolled steel sash, floor hardener. Architects taking bids due as soon as possible.

Church, Wilkes-Barre, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owners, St. Aloysius' Congregation, Rev. D. W. McCarty, 327 Barney street, Wilkes-Barre, Pa. Structural steel, stone, brick, 1 story, tile roof, hardwood and tile roof, hardwood, hollow tile, terra cotta, ornamental iron work, rolled steel sash, tile and marble work, metal lath, vapor heat, electric light. Architects taking bids due August 25th.

Twin Residences, Georges School, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, George School, care of G. O. Walton, Georges School, Pa. Brick, hollow tile, 2½ stories, 32x56 feet, electric light, tile work, hardwood floors. Owners taking bids.

Church, State College, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, State College Baptist Church, State College, Pa. Stone work, slate roof. Owners taking bids.

Church and Sunday School, Indiana, Pa. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, United Presbyterian Church, Dr. J. C. Pinkerton, Indiana, Pa. Stone, 1 and 3 stories. Owners taking bids.

Stores and Apartments, Easton road, above Wharton avenue, Glenside, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Edwin N. Johnson, Glenside, Pa. Stone, brick, cut stone, stucco, 3 stories and basement, 105x64 feet, steam heat, electric light, metal lath, tile work, bond, black slate roof, pine floors, painting and glazing, plumbing, star roof ventilators, limestone, Murphy door beds, dumb waiters. Architect taking bids due August 24th.

Bank Building, St. Michael, Pa. Architect, Henry L. Reinhold, Jr., 1513 Walnut street, Philadelphia. Owners, St. Michael National Bank, St. Michael, Pa. Preliminary plans in progress.

Road Work, Pennsylvania. Owners, Depart-

ment of Highways, Pennsylvania. Low bidders on opening August 11th, 1925:

Northumberland County, R-3217, Coal Township, length 12,546 feet, width 18 feet 8 inches. Thomas B. Evans, Danville, Pa., \$144,793.66.

Berks County, A-3463, Heidelberg Township, length 3,544 feet, width 16 feet. W. R. Wolfinger, Norristown, Pa., \$18,415.41.

Erie County, A-3414, Mill Creek, length 1,919 feet, width 16 feet. Mayer Brothers Constr. Co., Erie, Pa., \$18,775.25.

Dauphin County, R-139, Hummelstown Borough, length 9,152 feet, width 18 feet 3 inches. Swanger & White, Lebanon, Pa., \$111,195.90.

Schuylkill County, R-199, Section W, length 9,951 feet, width 18 feet. R. D. Richardson Const. Co., Seranton, Pa., \$93,334.80.

Chester County, R-142, Section 4, length 10,565 feet, width 20 feet, Easttown and Tredyffrin Township. Edward H. Ellis, 6017 Christian street, Philadelphia, \$99,937.94.

Bradford and Sullivan Counties, R-17, Section 6, Dushore, Albany and Cherry Townships, length 21-384 feet, width 18 feet. United Const. Co., Lock Haven, Pa., \$139,780.05.

Bradford County, R-212, Section 3 and 4, Burlington and North Towando Townships, Burlington Borough, length 21-384 feet, width 18 feet. David Schoentag, Inc., Saugerties, N. Y., \$455,172.28.

Bucks County, R-150, Bensalem Township, length 21,600 feet, width 20 feet. R. L. Bonham Co., Bridgton, N. Y., \$157,717.51.

Lehigh County, R-163, Slatington and Washington Townships, length 8,640 feet, width 18 feet. McInerney & McNeal, Inc., Easton, Pa., \$78,406.50.

Armstrong County, R-189, Sec. 1, R-66, A-3029, Rayburn Township, Kittanning Borough, length 17,115 feet, width 16 feet to 24 feet. M. Bennett & Son, Indiana, Pa., \$180,624.93.

Adams County, R-123, Strabane and Cumberland Townships, length 5,469 feet, width 18 feet. PJaul R. Hostetter, York, Pa., \$40,460.26.

Union and Snyder Counties, R-25 Spur, Monroe and Union Townships, length 9,702 feet, width 18 feet. Lincoln Const. Co., Strafford, Pa., \$103,114.11.

Pennsylvania Contracts Awarded

Grade School, Summitt Hill, Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owners, Summit Hill School Board, William Houghton, secretary, Summitt Hill, Pa. Semi-fireproof, brick, stone, 2 stories and basement, 130x94 feet, slag roof, pine floors, hollow tile, roof ventilators, skylights, metal lath, electric lighting (heating, plumbing and electric work separate). Contracts awarded: Andrew Breslin, Summitt Hill, Pa.; heating, American Heating & Ventilating Co., 1505 Race street, Philadelphia; plumbing, Edward P. Boyle, Summitt Hill, Pa.; electric, Richards Brothers, Lansford, Pa.

Vocational High School, Picture Rocks, Lycoming County, Pa. Architects, Maurice E. Kressly & Co., Commonwealth Building, Harrisburg, Pa. Owners, Borough of Picture Rocks, Lycoming County, Pa. Brick, concrete, cinder block, 1 story and basement, 188x66 feet, wing 38x85 feet, shingle asbestos built-up roof, cement and pine floors, ornamental iron work, bond, skylights, tile work, metal lath (plumbing, heating and electric work separate). Contract awarded W. H. Cramer Const. Co., Emporium, Pa. Heating and ventilating, W. H. Cramer Const. Co., Emporium, Pa. Plumbing, W. H. Cramer Const. Co., Em-

porium, Pa. Electric, W. H. Cramer Const. Co., Emporium, Pa.

High School, Lemoyne, Pa. Architect, C. J. Lapple, Ebner Building, Harrisburg, Pa. Owners, Lemoyne School Board, Mrs. J. E. Beale, president, Lemoyne, Pa. Brick, steel, 1 story, 120x100 feet, composition roof, maple floors, hollow tile, roof ventilators, bond, metal partitions, rolled steel sash, metal lath (heating, plumbing and electric separate bids). Contract awarded Ray Shoemaker, 2108 Walnut street, Harrisburg, Pa.

Office and Sales Building, Windber, Pa. Architect, Henry L. Reinhold, Jr., 1513 Walnut street, Philadelphia. Owners, Windber Electric Co., Windber, Pa. Contract awarded to Windber Lumber Co., Windber, Pa.

Twin Residences, Royersford, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, Edwin Graf, Main street, Royersford, Pa. Brick, 2 stories, 32x38 feet (plumbing, heating, electric work reserved), asbestos roof, pine floors, pipeless heat, electric light, rolled steel and wood sash, Morgan doors, pine floors, brick work. Contract awarded F. P. Huber, Parkersford, Chester County, Pa.

High School, Bloomsburg, Pa. \$318,000. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, School Board, R. A. McCahren, secretary, Bloomsburg, Pa. Contract awarded Charles McCaul Co., 1713 Sansom street, Philadelphia. Electric, F. P. Edwards, Bloomsburg, Pa., \$7,650. Plumbing, Mr. Eshleman, care of owner, \$12,950. Heating and ventilating, E. Heeler Co., Williamsport, Pa., \$53,996.

Residence and Garage, Meadowbrook, Pa. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, Gustave C. Aborle, Glenside, Pa. Stone, brick, cement block, steel, stucco, 2½ stories, 118x24 feet, wing 34x25 feet, tile roof, oak, pine and cement floors, metal lath, iron work. Contract awarded to E. Allen Reeves, Abington, Pa.

Sunday School, Palmerton, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Holy Trinity Evangelical Lutheran Church, Palmerton. Stone, 2½ stories, 30x50 feet, zinc roof, pine floors, steam heat, electric light. Contract awarded Francis Christman, Kinkeltown, Pa.

Hospital, Pittston, Pa. Architect, H. Duckworth, 711 Linden street, Scranton, Pa. Owners, Pittston Hospital, J. L. Cake, president, Pittston, Pa. Brick, stone, steel, 5 stories, 37x150 feet, composition roof, composition and maple floors, hollow tile, elevators, electric light, metal lath, fire doors, iron stairs, ornamental iron work. Contract awarded E. Williams, 342 New street, Scranton, Pa.

Bank Building (add.), 118 Wyoming avenue, Scranton, Pa., \$75,000. Architect, Edward Langley, Scranton Life Building, Scranton, Pa. Owners, Third National Bank, W. H. Peck, president, on premises. Brick, concrete steel, 3 stories, 31x75 feet, slag roof, cement and tile floors, metal window guards, ornamental iron work, vault skylights, tile and marble work, heating extension, electric light. Contract awarded E. S. Williams, 342 New street, Scranton, Pa.

Residence and Garage, Spring City, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, D. D. Skinner, 330 Broad street, Spring City, Pa. Tapestry brick, 2½ stories, 30x28 feet, interior alterations, garage, 20x32 feet, asbestos shingle roof, oak and maple floors, hot water heat, electric light, tile bath, rolled steel and wood sash, Morgan doors. Contract awarded Frank L. Waller, Spring City, Pa.

Residence and Garages (4), Wynnewood, Pa. Architects, Boyd, Abel & Gugert, Otis Building, Philadelphia. Owner, William Waterall, 4714 Springfield avenue, Philadelphia. Stone, cinder block, 2½ stories, 41x32 feet,

garages 17x18 feet, shingle and slag roof, oak, pine and cement floors, metal lath, bond, ornamental iron work, bluestone. Contract awarded Charles J. Jenkins, Narberth, Pa.

Road Work, Pennsylvania (July 24th letting). Bedford County, R-222, West Clair Township, \$318,679.09. Contract awarded Paul Const. Co., Cresson, Pa.

Blair County, R-47, Duncansville and Newry Borough, Blair and Freedom Townships. Contract awarded Paul Const. Co., Cresson, Pa., \$190,880.58.

Cambria County, R-221, Elder Township. Contract awarded Paul Const. Co., Cresson, Pa., \$103,412.29.

Crawford County, R-271, Oil Creek Township. Contract awarded F. L. White Co., Warren, Pa., \$22,491.70.

Road Work, Pennsylvania (July 7th letting). Washington County, R-108, Cecil and North Strabane Township, \$12,890.50. Contract awarded Johnson & Kearns, Dubois, Pa.

School (high), Avoca, Pa. Architect, Austin Reilly, Bennett Building, Wilkes-Barre, Pa. Owners, Avoca School District, J. Timmen, secretary, Avoca, Pa. Frame, 2 stories, 140x90 feet, slag roof, pine floors, roof ventilators (heating, plumbing, electric separate). Contract awarded J. J. Gibbons, Avoca, Pa.

Apartment Building, North Franklin street, Wilkes-Barre, Pa. Architect, Ralph M. Herr, Wilkes-Barre, Pa. Owners, Marion Realty Corp., Wilkes-Barre, Pa. Brick, stone, 6 stories, slag roof, wood floors, hollow tile, roof ventilators, brass pipe, ornamental iron work, iron stairs, bond, tile and marble work, metal lath (hardware, elevators, ash hoist and electric fixtures reserved). Contract awarded A. M. Hildebrand, Wilkes-Barre, Pa., but not signed.

Bridge, 35-39, North of Cordelia, Pa. Owners, Reading & Columbia Railroad, Twelfth and Market streets, Philadelphia. Reinforced concrete. Contract awarded T. Sheahan, Hagerstown, Md.

Replacement of Bridge, 21-48, Churchville, Pa. Owners, Reading, Newtown & New York Railroad, Twelfth and Market streets, Philadelphia. Stone, steel, concrete. Contracts awarded: Grading and masonry, James S. Brogan, Commercial Trust Building, Philadelphia. Waterproofing, Martin & Breen, 1613 Sansom street, Philadelphia.

New Jersey Construction News

Five and Ten Cent Store, Woodbury, N. J. Architect, private plans. Owner, Max Smith, Woodbury, N. J. Lessee, F. W. Woolworth Co., Wilkes-Barre, Pa. Brick and concrete, granite, steel, one story and basement, 90x42 feet, steam heat, electric light, metal lath, tile and marble work, built up roof, maple floors, plumbing, wrought iron pipe, metal ceiling. Owner taking bids, due August 26th.

Cottage (alts.), Atlantic City, N. J. Architect, B. Ireland, Guarantee Trust Building, Atlantic City, N. J. Owner, W. S. Higbee, South Carolina avenue, Atlantic City. Brick, 30x70 feet, pine floors, electric light, tile and marble work, partitions, general alterations. Plans in progress.

Residence, Pleasantville, N. J. Architect, A. L. Brooks, 214 Humphreys Building, Atlantic City. Owner, George Brooks, Pleasantville, N. J. Cinder block, stucco, 2½ stories, 75x45 feet, tile roof, hardwood floors, hot water heat, electric light, tile and marble work, ornamental iron work. Architect will be ready for bids in a week.

Residence and Garage, Dorset and Atlantic avenue, Ventnor, N. J. Architect, A. L.

Brooks, 214 Humphreys Building, Atlantic City. Owner, Mr. Charles Abrams, care of architect. Hollow tile and stucco, 2½ stories, 25x68 feet, 20x22 feet, Spanish tile roof, hardwood floors, hot water heat, electric light, tile and marble work. Architect will be ready for bids the first of next week.

Synagogue, Mercer street, Trenton, N. J. Architect, R. A. Schumann, 202 West State street, Trenton, N. J. Owners, Workmen's Circle, Branch No. 90, Trenton, N. J., Mr. J. Speckter, president. Brick, steel, 3 stories, 45x100 feet, slag roof, hardwood floors, hollow tile, roof ventilators, ornamental iron work, iron stairs, skylights, metal lath, tile work, steam heat, electric light. Plans in progress.

Stores (3), Apartments (2), Trenton, N. J. Architect, R. A. Schumann, 202 West State street, Trenton, N. J. Owner, M. Bralyski, 106 North Olden street, Trenton, N. J. Brick, structural steel, 3 stories, 25x95 feet, slate roof, hardwood floors, steam heat, electric light. Plans in progress.

Church (alts. and add.), Flemington, N. J. Architect, R. A. Schumann, 202 West State street, Trenton, N. J. Owners, Presbyterian Church, care of architect. Stone, 1 story, 42x20 feet, heating and lighting extensions, slate roof, hardwood floors. Plans in progress.

Bus Terminal, Trenton, N. J. Architect, W. A. Klemann, Trenton, N. J. Owners, Trenton & Mercer County Traction Co., Trenton, N. J. Brick, steel, 1 story, 200x45 feet, slag roof, concrete floors, electric light. Plans in progress.

State Home for Girls, Trenton, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, State of New Jersey, Court House, Trenton, N. J. Reception building, \$125,000. Infirmary building, \$250,000. Brick, steel. Plans ready for bids in ten days.

Nurses' Residence, Staff House, Doctors' College, Skillman, N. J. Architects, Dept. of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, State of New Jersey, Dr. D. F. Weeks, Trenton, N. J. Brick, concrete steel, 2 stories, composition roof, tile and composition floors, electric light, metal lath, iron stairs, metal lath. Architects taking bids due August 31st.

School, New Jersey avenue, Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, Atlantic City School Board, H. H. Young, Atlantic City. Concrete brick, steel, fireproof, 3 stories, 210x160 feet, slag roof, hardwood floors, hollow tile, safety treads, roof ventilators, waterproofing and dampproofing (heating, plumbing, electric separate), tile and marble work, metal lath, skylights, fire and kalamein doors, bond. Architect taking bids due August 31st.

Church and Sunday School, Ventnor, N. J. Architect, J. V. Mathis, Guarantee Trust Building, Atlantic City, N. J. Owners, Trinity M. P. Church, Rev. G. D. Jones, 7 Melbourne avenue, Ventnor, N. J. Stone, one story, 60x96 feet, marble work, electric light. Architect ready for bids.

Public School, Margate City, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owners, Board of Education, Margate City, N. J. All bids rejected. Revised bids will be taken in September.

Jail (add.) and Warden's Quarters, Flemington, N. J. Architect, R. A. Schumann, 202 West State street, Trenton, N. J. Owners, Board of Chosen Freeholders, Hunderton County, care of J. Dineen, Hampton, N. J. Stone, 37x75 feet, 30 cells, monolithic floors, electric work, general alterations. Owners and architect taking bids, due August 20th.

Group of Buildings, State Hospital, Trenton, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, State Hospital, Trenton, N. J. Stone, brick, steel, various sizes and stories. Convalescent Building, \$112,000; Nurses' Home, \$50,000; Patients' Building, \$765,000; Building, \$372,400; Building, \$125,000; Psychopathical Building, \$132,000. Architects ready for bids in ten days.

Bank Building, Glassboro, N. J. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owners, Glassboro Title and Trust Company, Glassboro, N. J. Brick, cut stone, steel, one story and basement, 48x36 feet, slag roof, cement floors, plumbing, electric light, metal lath, tile, marble and terrazzo work, hollow metal sash, ornamental iron work, cabinet work. Architect taking bids, due August 20th.

School, Pennsgrove, N. J. Architect, Chas. R. Peddle, 136 South Fourth street, Philadelphia. Owners, Board of Education, Pennsgrove, N. J. Frame, one story, 50x80 feet, shingle roof, pine floors, heating undecided, electric light. Owners taking bids, due Aug. 25th.

Apartment House, Atlantic City, N. J. Architect, Charles H. Adams, Guarantee Trust Building, Atlantic City, N. J. Owner's name withheld. Brick, three stories, 40x135 feet, slag roof, pine floors, hot water heat, electric light. Plans in progress.

Residence, 1711 South Sixth street, Camden, N. J., \$4,000. Architect, private plans. Owner, R. Thiede, 1713 South Sixth street, Camden, N. J. Block, two stories, 20x30 feet, hot air heat, electric light, slag roof, pine floors. Owner will build.

Residence, 1609-11 Warsaw street, Camden, N. J., \$6,000. Architect, private plans. Owner, Albert Pepiak, 1011 Atlantic avenue, Camden, N. J. Block, two stories, 15x30 feet, hot air heat, slag roof, electric light, pine floors. Owner will build.

Schools (2), Hopewell and Pennington, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Hopewell Township School Board, Hopewell, N. J. Lockers, furnishings, septic tank system. Owners taking separate bids, due August 24th.

Residences (5), 1132-52 Beidemann avenue, Camden, N. J. Architect, private plans. Owner, Denis J. Carroll, 1121 North Thirty-first street, Camden, N. J. Frame, one story, 24x34 feet, hot water heat, rubberoid roof, electric light, pine floors. Owner will build.

Store and Residences (2), 3214-16 River Road, Camden, N. J., \$4,500 each. Architect, private plans. Owner, G. Raymond Richman, 139 Wayne Terrace, Collingswood, N. J. Brick and block, two stories, 16x53 feet, hot water heat, electric light, slag roof, hardwood floors. Owner will build.

Brick Store, 1545 Federal street, Camden, N. J., \$3,000. Owner, S. Levy, 1214 Kaighn avenue, Camden, N. J. Brick, one story, 25x36 feet, slag roof, hot water heat. Owner will build.

Schools (2), Pensauken, N. J. Architect, I. T. Catherine, 812 Franklin Trust Building, Philadelphia. Owners, Pensauken Township Board of Education, G. H. Carson, District Clerk, Junior High School, Merchantville and Cramer avenue, Pensauken, N. J. General construction, electric, plumbing, heating and ventilating. Certified check 10% of bid. Surety bond required. Owner taking bids, due August 27th 8 P. M., Daylight Saving Time.

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New Jersey Contracts Awarded

Hotel (add.), Atlantic City, N. J., \$1,500,000. Architects, Warren & Wetmore, 16 E. Forty-seventh street, New York City. Owners, Shelbourne Hotel Co., Atlantic City, N. J. Brick, steel, concrete, 12 stories, 350 rooms, steam heat, electric light, metal lath, tile and marble, elevators, water and dampproofing, terra cotta work. Contract awarded to Geo. A. Fuller Co., Morris Building, Philadelphia.

Alfred Reed School (add.), Prospect Heights, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, Ewing Township School Board, Wm. E. Antheil, President, Trenton, N. J. Brick, steel, one story and basement, 40x120 feet, slate roof, maple floors, hollow tile, safety treads, metal ceilings, iron stairs, bond, tile work, metal lath (heating, plumbing and electric work separate). Contract awarded Jackson Bros., Trenton, N. J., \$35,484.00. Plumbing, W. J. Roger, Trenton, N. J., \$1,250.00. Heating and ventilating, Mechanical Equipment, 214 S. Twelfth St., Phila., \$7,993.00. Electric, Charles Geeler, Trenton, N. J., \$1,149.00. Painting, J. E. Murphy, Trenton, N. J., \$1,178.00.

School (add.), Trenton Junction, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, Ewing Township School Board, Wm. E. Antheil, President, Trenton, N. J. Brick, steel, one story and basement (heating, plumbing and electric separate), slate roof, maple floors, hollow tile, safety treads, metal ceilings, iron stairs, bond, tile work, metal lath. Contract awarded to Jackson Bros., Trenton, N. J., \$33,738.00. Plumbing, W. J. Roger, Trenton, N. J., \$1,206.00. Heating and ventilating, Mechanical Equipment Co., 214 South Twelfth street, Philadelphia, \$8,536. Electric, C. Geeler, Trenton, N. J., \$1,111. Painting, J. E. Murphy, Trenton, N. J., \$1,611.

High School (Interior Finish), Wildwood, N. J. Architects, H. Rex Stackhouse & R. W. Donohue, 1120 Locust street, Philadelphia. Owners, Board of Education, Wildwood, N. J. Brick, metal lath, cement floors, floor hardener, mineral floors, hardware, hollow tile, plastering, carpentry and mill work, painting and glazing, metal ceilings, dampproofing. Contract awarded to L. Krause, North Wildwood, N. J., \$16,224.

Store (add.), Kentucky and Atlantic avenues, Atlantic City, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City, N. J. Owners, Kensington Carpet Co., on premises. Steel, brick, six stories, 21x100 feet, slag roof, cement and wood floors, elevators, plate glass, steel sash, metal lath, electric light. Contract awarded to Sam. Dolinsky & Son, 2 North Vermont avenue, Atlantic City, N. J.

School, Ventnor, N. J., \$1,664. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, Ventnor City School Board, care of architect. General alterations for heating, ventilating and electric. Contract awarded to Lam Building Co., Humphrey Building, Atlantic City, N. J.

Court House (alts.), Mt. Holly, N. J. Architect, E. A. Wightman, Bankers' Trust Building, Philadelphia. Owners, Freeholders of Mt. Holly, N. J. General alterations, composition floors. Contract awarded to W. F. Gale, Mt. Holly, N. J.

Residences (4), 2632-40 Baird Boulevard, Camden, N. J., \$4,500 each. Architect, private plans. Owners, Parkview Realty Co., Camden, N. J. Brick, 2 stories, 16x50 feet, slag roof, hot water heat, electric light, hardwood floors. Contract awarded to Emanuel W. Kien, 2764 Federal street, Camden, N. J.

Residences (10), 2601-25 Baird Boulevard,

Camden, N. J., \$4,500 each. Architect, private plans. Owners, Parkview Realty Co., Camden, N. J. Brick, two stories, 16x50 feet, hot water heat, slag roof, electric light, hardwood floors, carpentry and mill work. Contract awarded to E. W. Kien, 2764 Federal street, Camden, N. J.

Residence, 3434 Fairfax Drive, Camden, N. J. Architect, private plans. Owner, Alexander Schultz, 1816 South Sixth street, Camden, N. J. Frame, 1½ stories, 25x43 feet, hot air heat, rubberoid roof, pine floors, electric light. T. C. Tolbert, 5503 Westfield avenue, Merchantville, N. J.

Residence, 1025 North Thirty-fourth street, Camden, N. J., \$3,800. Owner, James Collins, 2163 Belgrade street, Philadelphia. Frame, two stories, 16x42 feet, slag roof, hot water heat, electric light. Contract awarded to F. F. Fry, 902 North Thirty-third street, Camden, N. J.

Residences (4), 1024-30 Reeves avenue, Camden, N. J., \$10,000. Architect, private plans. Owner, Harriet H. Clouser, Camden, N. J. Frame, two stories, 16x30 feet, hot air heat, slag roof, electric light, pine floors. Contract awarded to J. K. Clouser, 543 Vine street, Camden, N. J.

Residences (2), 2893-95 Congress Road, Camden, N. J., \$8,000. Architect, private plans. Owner, Charles Blaker, Camden, N. J. Brick, two stories, 14x50 feet, hot air heat, slag roof, electric light, pine floors. Contract awarded to Smith Bros., 603 Park avenue, Collingswood, N. J.

Residences (2), 214-16 North Thirty-second street, Camden, N. J., \$8,000. Architect, private plans. Owner, Frank Bierfreund, 517 Penn street, Camden, N. J. Frame, two stories, 16x34 feet, hot water heat, slag roof, electric light, pine floors. Contract awarded to Joseph D. Hill, 117 Cresmont Terrace, Collingswood, N. J.

Residences (7), 867-79 Chelton avenue, Camden, N. J. Architect, private plans. Owner, Stanley Kiszonas, Barrington, N. J. Brick, two stories, 14x52 feet, hot air heat, electric light, slag roof. Contract awarded to Edward Gerahueut, Mt. Ephraim, N. J.

Extension to Bridge EH-15, Egg Harbor, N. J. County Engineer, A. H. Nelson. Egg Harbor, N. J. Owners, Board of Freeholders, Atlantic County, N. J. Concrete and steel. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

Miscellaneous Construction News

Residence, Servants' House, Tea House, Garage and Garden Walls, Winston-Salem, N. C. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, Robert E. Follin, Winston-Salem, N. C. Brick, cut stone, concrete, 2½ stories and basement, one story 60x31 feet, wing 31x17 feet; Tea House, 18x8 feet; Servants' House, 16x18 feet; Garage, 26x16 feet, tile, Barrett specified tin roof, oak, pine and cement floors, waterproofing, ornamental iron work, bond, truseon or Medusa waterproofing, incinerator, soundproofing, hardware, stirwork, metal lath, painting and glazing (plumbing, heating, electric, tile work, linoleum floors, range work, insect screens, weatherstripping, finished hardware, hardwood floors reserved). Architect taking bids, due August 20th.

School, Kerhonkson, N. Y. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Kerhonkson School Board, Kerhonkson, N. Y. Brick, frame, 2 stories, 130x70 feet, composition roof, wood and composition floors, hollow tile, dampproofing, roof ventilators, bond, steel sash, metal lath (heating, plumbing and electric work separate). Contract awarded to Green & Van Etten, Kerhonkson, N. Y. Plumbing, Wieber & Walter, King-

ston, N. Y. Electric wiring, George Sherman, Kingston, N. Y.

THE PRODUCTION AND USE OF RAIL STEEL REINFORCING BARS

By F. C. MACKEY

It would not be possible without a difficult and tedious examination of mill reports to determine with any exactitude the total production of rail steel reinforcing bars. They were certainly used extensively in the years following 1900.

In 1913 a report was published by the A. S. T. M. on the quality of material rolled from rails in five different mills. In the year 1924 there were twelve rail steel mills whose total production of reinforcing bars amounted to more than 200,000 tons. We may gain some estimate as follows:

The records of the building industry show a fairly uniform increase in volume of construction since 1900. If, then, we accept 200,000 tons as the production of reinforcing bars in 1924 and neglect any production prior to 1900, it is a simple arithmetical problem to show that in twenty-four years it is quite probable that 2,500,000 tons of rail steel reinforcing bars have been used in the building industry.

In general 100 pounds of bars are needed to reinforce one cubic yard of concrete. This means that probably 50,000,000 yards of concrete have been reinforced since 1900 with rail steel reinforcement.

To put it in another way. One of the largest warehouse jobs would consume 2500 tons of reinforcing bars. So that since 1900 these reinforcing bars would account for almost 20,000 acres of floor space, would reinforce 500 large warehouses or 1,000 of ordinary size.

These quantities are, of course, only estimates but they will serve properly to indicated the wide-spread use of rail steel reinforcing over a period of twenty-five years.

The use of rail steel reinforcing is increasing. There is a growing confidence in the reliability and usefulness of these bars.

One of the latest applications is a reinforced concrete railway bridge built by the Cincinnati Rapid Transit Commission representing extremely long spans and a bold design. United States army engineers are using rail steel reinforcing in the new reservoir for the City of Washington, D. C. Sears, Roebuck & Company, in their new buildings at Kansas City, consisting of a million and a half square feet of floor space, are using 5,000 tons of rail steel reinforcing. The new Produce Market in Chicago specified 3,000 tons; the new Hibbard, Spencer, Bartlett & Co. hardware warehouse specified 2,800 tons; the new addition to the Furniture Mart 1,000 tons;

the new South Shore Hotel 1,000 tons. Additional uses are in the 35,000,000 gallon reservoir for the City of Cincinnati, the great Hilliard Road bridge in Cleveland, new water works for the city of St. Louis, huge elevators in Buffalo and many important works in the south. It would appear, therefore, that the estimate of 200,000 tons for 1924 is likely to be more than doubled in the year 1925.

During the last twenty years the practice in rolling and use of rail has been improved. Since the year 1910 rails of open hearth manufacture have almost entirely displaced Bessemer rails. The rail mills are studying the metallurgy of their industry, changing their furnaces and equipment and improving their product by keeping pace with modern practice.

Not only is this growing use of rail steel to be attributed to an increased confidence of the public and records of success in its use, but there is considerable saving of money to the user, amounting to perhaps \$2,000,000 a year on the price of the reinforcing bars.

These reinforcing bars are cut and bent to shape, bundled and marked ready for insertion at the proper place in the structure. This service is supplied by the mills in connection with the sale of the bars.

It must be recognized that this rail steel reinforcement industry is competitive with other industrial organizations and the growth of the use of rail steel has been met with opposition. The nature and technical properties of the material have been misrepresented and minor difficulties that arise in the use of all manufactured materials have been magnified and distorted. The Rail Steel Products Association "tended to its knitting" and for years submitted to unprovoked attacks. This association is now in process of putting the plain truth before the public.

Unfair attacks have aroused the satisfied users of rail steel to testify as to their experiences. One construction company in the last ten or twelve years has used thousands of tons of this material according to the specifications of the A. S. T. M.

Three thousand tons alone were used on the important Soo line elevated railroad terminal in Chicago where the stress requirements are extreme. It is one of the finest pieces of work of the kind in the entire country. This construction company says that its experience has been wholly sufficient to prove the true worth of rail steel reinforcing which further offers a great saving to owners, not only in the direct business relations with mills but in the prevention of a closed market.

The Hebrew Institute building in Chicago, with arches of 65 foot span, designed by an expert engineer thoroughly trained in foreign practice; the Fenway garage, Boston, Mass.;

the Atlantic terminals, Canal Zone, Panama; D. L. & W. Ry. dock at Hoboken, N. J.; numerous bridges and large sewers, grain elevators in Canada and the United States; the Ohio stadium, Columbus; Detroit Ball Park; the Larkin Terminal Warehouse at Buffalo, N. Y.; the Goodyear Tire and Rubber Co., at Akron, O.; laboratory building of the General Electric Company, Schenectady—all these have used rail steel reinforcing. Many hospitals and hotels can be cited. The highest chimney in the world, in Japan, 575 feet high, is reinforced with bars rolled from steel rails.

Not only is there no record of any failure or accident due to the use of rail steel, but one experiment on the Western News paper Union Building in Chicago was made to determine its strength before it was to be wrecked. In the process of wrecking the building rail steel reinforcing bars were uncovered and found in perfect shape.

This rail steel is not only used for reinforcing concrete but finds its use in angles and other structural shapes of buildings and various uses in the agricultural implement industry.

Apart from the scientific tests of laboratories which are, of course, limited in scope, the record of use is sufficient evidence of the suitability of the material which is now being produced by such mills as the Franklin Steel Works, Franklin, Pa.; Calumet Steel Co., Chicago; Burlington Steel Co., Hamilton, Canada; Pollak Steel Co., Cinn.; Buffalo Steel Co., Tonawanda, N. Y.; Laclede Steel Co., St. Louis; Western Virginia Rail Co., Huntington, W. Va.; Southern Steel and Rolling Mill, Inc., Birmingham, Ala. These mills have organized an association to study the technical properties of the product and its uses.

The facts cited above ought to be sufficient to remove any doubts remaining in the minds of those architects and engineers who are necessarily removed from the centers of large building projects, and who are likely to be misled by irresponsible conversational statements.

ARCHITECTURE AND ANTHRACITE

A brochure just published has the alliterative and attractive title "Architecture and Anthracite." It is a booklet which in its twenty pages with many illustrations gives much valuable information and many practical suggestions toward providing architecturally satisfactory and economically sound results in designing and specifying for heating installations.

The chimney, admittedly one of the most important features of a home and its heating equipment, is one theme in this publication by the Anthracite Industry in the interest of better combustion of its various sized coals. The booklet al-

so gives some very valuable data including a table for figuring the size and height of chimneys for various installations, as prepared by the American Society of Heating and Ventilating Engineers in their preliminary draft of a code for Heating and Ventilating Buildings. A special column rates the "effective area" of each rectangular flue as compared with its actual area.

With illustrations showing approximately designed and well proportioned chimneys as well as "horrible examples," Albert Kelsey, Architect, and co-designer with Paul P. Cret of the Pan-American Building, Washington, has prepared an article on the "Chimney as an Object of Interest and Beauty." In this Mr. Kelsey emphasizes the economic import-

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ance of the chimney from its practical functioning through adequate draft as well as from the aspect of architectural adornment.

Diagrams of the Standard sizes of Flue Linings are also shown to enable architects, and engineers to specify the correct size and allow for the exact dimensions. In order to assist in proper construction of the chimney a specification for chimneys as recommended by the Eastern Clay Products Association is also included in "Architecture and Anthracite." By compliance with this specification through the short form as published, designers can insure a chimney soundly built and in accordance with the ordinance of the National Board of Fire Underwriters and the proposed code of the American Society of Heating and Ventilating Engineers. This includes a smoke test on each flue.

While the chimney is of great import-

ance other features which should be given fullest consideration in designing, specifying and constructing are covered, in this booklet, by D. Knickerbacker Boyd, of the firm of Boyd, Abel and Gugert, Architects, of Philadelphia, who discusses many of them in an article entitled "Designing and Planning for Home Heating Economies." Mr. Boyd calls attention to the responsibility of architects and such builders as construct and sell dwellings without architects, for specifying and seeing that six things are provided for the home owner, namely:

First—Adequate size and height of flues for all heating and cooking apparatus.

Second—Proper location and construction of all chimneys.

Third—Correct specifying and installing of heating and cooking apparatus to utilize small as well as large sizes of coal.

Fourth—Economic location and sound

construction of coal bins.

Fifth—Providing convenient facilities for the removal of ashes.

Sixth—Making walls, roofs and openings tight.

Mr. Boyd describes these matters in detail and stresses the importance of not only making the various features of the home and heating equipment as artistic and practical as possible but also the most economical in operation and maintenance.

The appropriate use of Anthracite Coal is brought out in an article "Small Size Anthracite Fuel and Equipment for its Economical Utilization," by C. A. Connell, Combustion Engineer. In this article Mr. Connell outlines possibilities of making great savings in the Fuel bill by use of approved apparatus and methods for burning buckwheat coal.

"Architecture and Anthracite" may be obtained from Anthracite Coal Service, 260 S. Broad St., Philadelphia, Pa.

The great volume of construction being carried on in the United States shattered all previous monthly records for the third time this year in July when the high marks set in May and June were topped. Statistics compiled by the Associated General Contractors of America show the index number based on 1913 to be 220. The total volume of construction performed during the first seven months of 1925 was five per cent. greater than that recorded for the corresponding period of 1924.

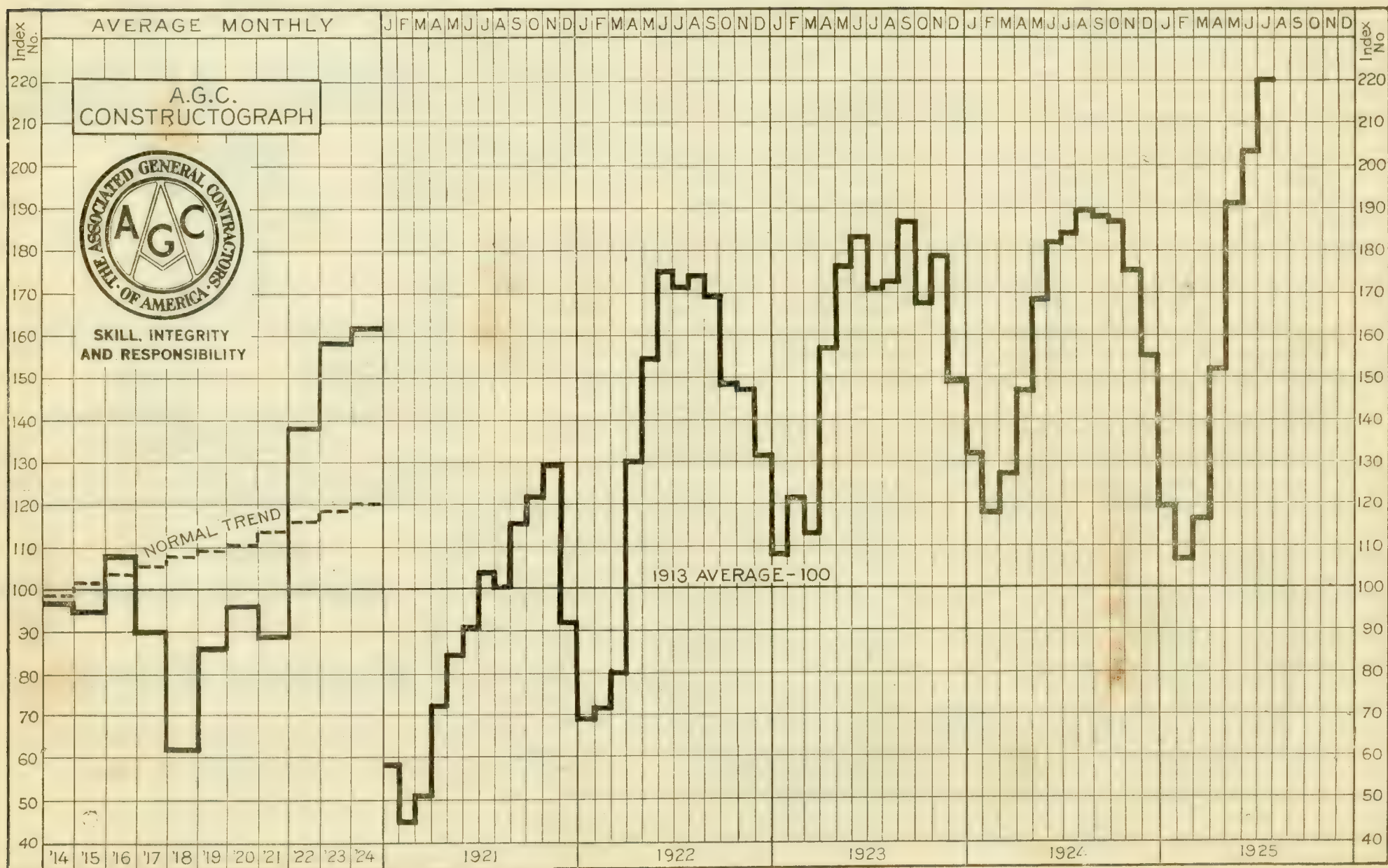
Despite this unprecedented amount of construction, the aver-

age of construction costs in the principal construction centers of the United States remained stationary during July at index number 201.

The volume of building contracts awarded during June was considerably above that recorded for the same month in any year on record. The volume of building permits was about equal in June to the volume in May.

Concrete surface awards, including streets, alleys and roads, for the first half of 1925 exceed by twenty per cent. the corresponding figure for last year.

VOLUME OF CONSTRUCTION



Reference Directory for Architects, Builders and Owners

ARTESIAN WELLS.

Ridpath & Potter Co.,
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Daily Building News.....Perry Bldg., Phila.

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Potts, Horace T., & Co. ...Erie Ave. & "D" St., Phila.

Reisbord, Wolf4437-43 Ludlow St., Phila.

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August 26, 1925

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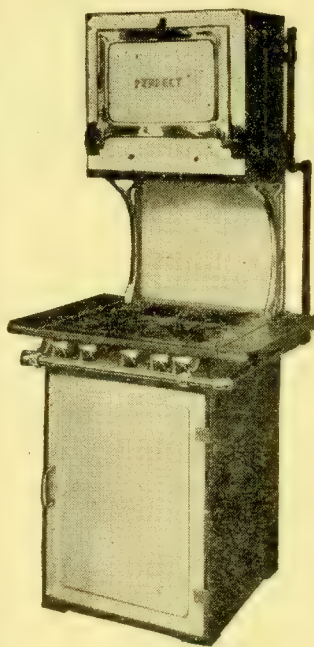
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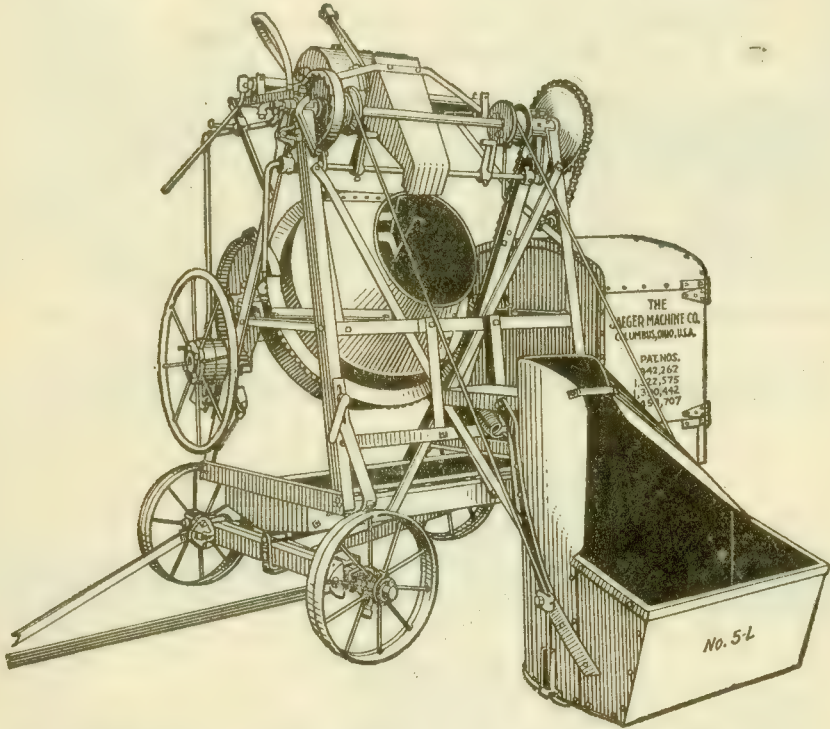
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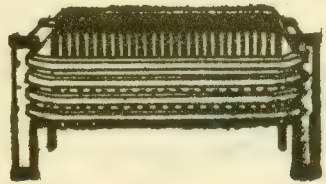
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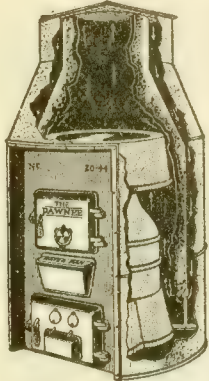
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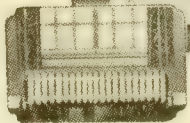
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Devoted to the Advancement of American Architecture, Structural

VOLUME XL

Number 34

Engineering and the Building Trades

PHILADELPHIA

August 26, 1925

BUILDERS' GUIDE

PUBLISHED WEEKLY

BY

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Advance Construction News

CONTEMPLATED CONSTRUCTION: ARCHITECTS AND OWNERS: COST LIMIT: LAST DAYS FOR FILING BIDS:

CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED: ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Synagogue, Fifty-eighth and Warrington streets, Philadelphia. Architect, J. S. Fuller, 5438 Locust street, Philadelphia. Owners, Congregation Beth-am, care of architect. New plans in progress for larger building.

Supplies, Navy Yard, Philadelphia. Owners, Bureau of Supplies and Accounts, Navy Department, Washington, D. C. Owners taking bids, due August 25th 10 A. M., for delivering nippers and instrument sterilizer to Navy Yard, Philadelphia.

Supplies, Philadelphia Navy Yard, Philadelphia. Owners, Bureau of Supplies and Accounts, Navy Department, Washington, D. C. Deliver to Navy Yard Philadelphia, white lead, pitch, turpentine, brass pipe, fuel oil, machi pump, spares, etc, pulverized selica and gernet paper. Owners taking bids, due at Washington September 1st, 10 A. M. Proposals may be obtained from supply offices, Philadelphia, or at Washington, D. C.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Engineers, 216 City Hall, Philadelphia. Owners taking bids, due August 25th 11 A. M., Standard Time. Schedule A, South Philadelphia Improvement. Storm ater ditches and incidental drainage west of Broad and south of Packer. Certified check 5 % of bid. Inquire Room 416.

Exhibit Building (alts. and add.), 1823-27 Walnut street, Philadelphia. Architects, Paul P. Cret and John F. Harbeson, 112 South Sixteenth street, Philadelphia. Owners, Philadelphia Art Alliance, on premises. Stone, brick, general alterations. Plans in progress.

Stores and Apartments and Garage, 8038-40 Old York road, Philadelphia. Architects, E. H. Silverman and A. Levy, Elrae Building, Philadelphia. Owners, Mastbaum Brothers & Fleisher, 1424 South Penn Square, Philadelphia. Brick, 2 stories, size of lot, 135x400 feet. Plans in progress.

Office, Garage and Warehouse, American and Luzerne streets, Philadelphia. Architect, E. Lane Crawford, Boyer Arcade, Norristown, Pa. Owner, T. H. Livezey, 2414 Sedgley avenue, Philadelphia. Brick, reinforced concrete, 3 stories, 30x40 feet, slag roof, cement floors, steam heat, electric light. Plans in progress.

Office Building and Stores, Northeast Corner Sixth and Chestnut streets, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owner, care of architect. Steel, stone, 5 stories, 30x75 feet, 70x76 feet, slag roof, maple floors, elevator, safety treads, metal ceilings, terra cotta, flagstone, ornamental iron work, iron stairs, floor hardener, metal bulks, bond, store fixtures, fire and kalamein doors, rolled steel sash and skylights, tile and marble work, metal lath, steam heat, electric light. Plans in progress.

Residences (20) and Garages, Sixty-fifth and Wyncote avenue, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owner, Samuel Levin, care of architect. Brick, 2 stories, 18x55 feet, slag roof, hardwood floors, hot water heat, electric light, hardwood floors, metal lath, tile and marble work, hollow metal sash and skylights, bond, ornamental iron work, flagstone. Plans in progress.

Furniture Show Room, 3344-46 Kensington avenue, Philadelphia. Architect, R. L. Gola-berg, 10 South Eighteenth street, Philadelphia. Owners, Kensington Furniture Co., on premises. Brick, steel, concrete, 2 stories, 30x70 feet, slag roof, pine floors, hot water heat, electric light, tile and marble work, metal bars. Plans in progress. Architect ready for bids in two weeks.

Residence (alts. to apartment), Holmesburg, Philadelphia. Architect, S. D. Milmer, 1117 Foulkrod street, Philadelphia. Owner, name withheld. Heating, lighting alterations,

plumbing, hardwood floors, interior changes. Plans in progress.

School and Convent, 4330 Paul street, Philadelphia. Architect, H. G. Hammer, 1716 Spring Garden street, Philadelphia. Owners, Mater Dolorosa, Rev. Cosmos Bruni, on premises. Stone, 3 stories, 45x86 feet, slag roof, pine and mineral floors, steam heat, oil burning system, electric light, steam heat, electric refrigeration. Plans completed. Architect ready for sub-bids.

Swimming Pool and Buildings, Woodside Park, Pa., \$200,000. Architect, Edward Schoeppe, 316 South Fifteenth street, Philadelphia. Owners, Woodside Park Real Estate Co., care of architect. Pool, 220x165 feet, frame buildings, 15,000 square feet, electric light, cement floors, steel lockers. Architect will take bids on separate contracts in about two weeks. Work to start September 15th.

Garage, Fifth and Bainbridge streets, Philadelphia, \$50,000. Architect, William L. Charr, Victory Building, Philadelphia. Owner, Frank Togel, care of architect. Steel, brick, 2 stories, 40x125 feet, steam heat, electric light, metal lath, rolled steel sash, hollow metal skylights, store fixtures, bond, metal bulks, floor hardener, slag roof, concrete floors, elevators, roof ventilators. Owner will build. Architect taking sub-bids due at once.

Store and Apartment, Fifth and Girard avenue, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owner, R. J. Nolen, care of architect. Brick, steel, stucco, 3 stories, 20x100 feet, slag roof, hardwood floors, pine floors, gas heat, electric light, metal lath, tile and marble work, store fixtures, bond, metal bulks, ornamental iron work. Owner will build. Architect taking sub-bids due at once.

Residence (alts. and add.), Forty-seventh and Pine streets, Philadelphia. Architects, Charles Barton Keen & Wallace, 338 South

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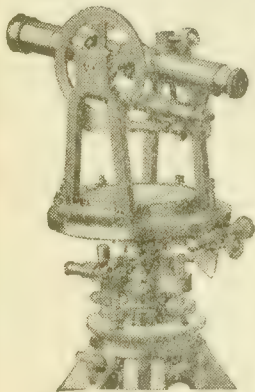
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Apartment Building, Roosevelt and Summerdale avenue, Philadelphia. Architect, Louis J. Tunis, 1423 Locust street, Philadelphia. Owner, Charles Gross, Land Title Building, Philadelphia. Brick, limestone, steel, 3 stories and basement, 42x100 feet, slag roof, hardwood and linoleum floors, hot water heat, oil burning, electric light, metal lath, tile and marble work, fire tower, incinerator, gas range, miscellaneous iron work. Plans about completed. Owner will be ready for bids in one week.

Parochial School, Fourth and Brown streets, Philadelphia. Architect, Peter F. Getz, Victory Building, Philadelphia. Owners, St. Agnes' Slovak Church, Rev. J. L. Yorke, on premises. Brick, stone, concrete, 3 stories. Plans about completed. Will be ready for bids in a few days.

Office Building, Northeast Corner Thirteenth and Chestnut streets, Philadelphia. Architect, Ralph B. Benckert, 1418 Walnut street, Philadelphia. Owner, name withheld. Brick, cut stone, concrete, steel, 9 stories and basement, 77x24 feet (heating and plumbing reserved), electric light, metal lath, tile and marble and terrazzo work, rolled steel sash, copper skylights, hollow metal doors, bond, iron stairs, ornamental iron work, vault door, iron ladder, caulking, limestone, shoring, waterproofing, painting and glazing, roof ventilators, hollow tile, elevators, cement and pine floors, slag roof. Architect taking bids due August 31st at noon.

Residence and Garage, Chestnut Hill, Pa. Architect, Robert Rodes McGoodwin, 1600 Walnut street, Philadelphia. Owner, William P. Newhall, 427 Manheim street, Philadelphia. Stone, 2½ stories, 47 feet 8 inches x 35 feet 4 inches, slate roof, hardwood floors, vapor heat, electric light, tile work, flagstone. Architect taking bids due August 28th.

Senior High School, Seventeenth and Luzerne streets, Philadelphia. Architect, Irvin T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. General construction (heating, plumbing, electric light, ventilating separate). Owners taking bids due September 1st.

Paving, Specification No. 5137, Navy Yard, Philadelphia. Owners, Department of Yards, Docks & Ferries, Navy Yard, Philadelphia. Owners taking bids due September 16th, 11 A. M. (Standard Time). Deposit, \$10. Paving and incidental work at Navy Yard.

Commercial Building, 1706-18 Fairmount avenue, Philadelphia. Architect, Gabriel B. Roth, 1629 Chestnut street, Philadelphia. Owner, name withheld. Brick, reinforced concrete, cut stone, steel, 2 stories and basement, 120x80 feet, slag roof, pine and cement floors, painting and glazing, steam heat, electric light, metal lath, tile work, rolled steel sash, ornamental iron work, sprinkler system (alternate for concrete construction). Architect taking bids due August 27th.

Alterations, 1020 Market street, Philadel-

phia. Architects, Construction Department, F. W. Woolworth, Wilkes-Barre, Pa. Owners, F. W. Woolworth & Co., Wilkes-Barre, Pa. Bond, concrete work, cement floors, damp-proofing, brick work, granite, steel work, steel stairs, rolling steel doors, iron grills, maple floors, built-up roofing, kalamein doors, art marble work, plastering, hardware, metal ceiling, tile and marble, (3) elevators, electric work. Owners taking revised bids.

Office Building, Northeast Corner Fifteenth and Locust streets, Philadelphia. Architects, Arthur Hall and William H. Gravell, Otis Building, Philadelphia. Owner, Richard Seltzer, 1423 Locust street, Philadelphia. Brick, cut stone, steel, 15 stories, 108x48 feet, built-up roof, cement floors, steam heat, electric light, metal lath, tile and marble work, tin clad and kalamein doors, elevators, painting and glazing, plumbing, wrought iron pipe, bluestone, acoustical treatment, cork tile floors. Architects taking revised bids due August 31st.

Delta Sigma Phi Fraternity House, 202-04 South Thirty-sixth street, Philadelphia. Architect, Arthur E. Davis, 643 Broad street, Newark, N. J. Owners, Iota Chapter, care of R. B. Beatty, care of Baer Engr. Co., 1713 Ludlow street. Revised plans ready.

Ice Service Station, 2322-24-26 Wallace street, Philadelphia. Owners, American Ice Co., 121 North Broad street, Philadelphia. Brick, 1 story, 30x42 feet, electric light, slag roof, cement floors. Owners taking bids due August 27th.

Building (alts. and add.), 3714 Chestnut street, Philadelphia. Architects, Furness, Evans & Co., 315 South Fifteenth street, Philadelphia. Owners, John Elias, Inc., on premises. Concrete work, brick work, ornamental terra cotta, cut stone, limestone, shoring, structural steel, carpentry and mill work, quarry tile floors, plastering, slag roof, painting and glazing. Architects taking bids due August 28th, 3 P. M.

Residence Alterations into Apartments, 6075 Drexel road, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Westney & Buckley, 1825 Chestnut street, Philadelphia. General alterations, including equipment. Architects taking bids due September 1st.

Apartment House, 3412 Spring Garden street, Philadelphia, \$80,000. Architect, private plans. Owner, Samuel Elgart, 5230 Parkside avenue, Philadelphia. Brick, 4 stories, 36x137 feet, slag roof, hardwood and pine floors, steam heat, electric light. Owner will build.

Apartment House (alts.), Southwest Corner Thirty-eighth and Chestnut streets, \$8,000. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Main Realty Co., 249 South Juniper street, Philadelphia. General alterations. Architects will build.

Roberts Avenue Addition to Manufacturing Building, Roberts avenue and King street, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Atwater-Kent Co., on premises. Brick, steel, terra cotta trim, 1 story and basement, 225x119 feet, steam heat, electric

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Residences (36), Cheltenham, Large and Horrocks streets, \$181,000. Architect, private plans. Owner, Carl A. Mayer, 235 West Olney avenue, Philadelphia. Brick, 2 stories, 15x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residence, Northeast Corner Bleigh and Claridge streets, Philadelphia, \$9,000. Architect, private plans. Owner, Peter Heidt, Jr., 7442 Whitaker avenue, Philadelphia. Brick, 2 stories, 28x16 feet, 16x24 feet, hot water heat, electric light, hardwood and pine floors. Owner will build.

Warehouse, South side Venango street, West of "G" street, Philadelphia, \$5,000. Architect, private plans. Owners, Keenan Supply Co., 2849 Germantown avenue, Philadelphia. Steel, 1 story, 61x83 feet. Owners will build.

Residences (16), East side Forty-sixth street, North of Cedar avenue, \$13,000 each. Architect, private plans. Owners, West Philadelphia Realty & Const. Co., 4842 Larchwood avenue. Brick, 3 stories, 16x56 feet, hardwood and pine floors, hot water heat, electric light, tile work. Owners will build.

Residences and Stores (3), West side Germantown avenue, South of Hortter street, Philadelphia, \$10,500 each. Architect, W. K. Henkels, 9501 Germantown avenue, Philadelphia. Owners, Chaitt Co., 2840 Glenwood avenue, Philadelphia. Brick, 2 stories, 15 feet 9 inches x 60 feet, slag roof, pine and hardwood floors, hot water heat, electric light. Owners will build.

Residences (8), (2) Camac street, North of Sixty-fifth avenue, and (6) Fairhill street, South of Cheltenham avenue, Philadelphia, \$56,000. Owner, Ralph Robbin, 4733 Camac street, Philadelphia. Brick, 2 stories, (2) 15x44 feet, (6) 20x44 feet, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (25), 3201-49 Allegheny avenue, Philadelphia, \$102,000. Architect, private plans. Owner, Fred S. Park, Seventeenth and Moyamensing avenue, Philadelphia. Brick, 2 stories, (2) 16x48 feet, (2) 16x25 feet, 12x12 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Apartment, Northeast Corner Forty-sixth and Locust streets, Philadelphia, \$40,000. Architect, Samuel Abramson, 2313 Walnut street, Philadelphia. Owner, Samuel Cane, 1013 Filbert street, Philadelphia. Brick, 3 stories, 24 feet 7 inches x 76 feet, slag roof, hardwood and pine floors, steam heat, electric light, tile work. Architect will build.

Residences (5), Sentner street, Reach street and Hasbrook street, \$5,500 each. Architect, private plans. Owners, Hannigan & Kelly, 332 Heed Building, Philadelphia. Brick, 2 stories, 16x41 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Apartment House, South side Ontario street, West of Broad, \$18,000. Architect, private plans. Owner, D. H. Stroud, East side Eleventh, North of Allegheny avenue. Brick, 3 stories, 24x21 feet, 36x12 feet, slag roof, hardwood and pine floors, steam heat, electric light. Owner will build.

Residences (4), South side Seventy-first avenue, East of Broad street, \$6,000 each. Architect, private plans. Owner, Kenneth C. Munken, Otis Building, Philadelphia. Brick, 2 stories, 18x42 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residence, South side Holstein avenue, West of Ninetieth street, \$3,500. Architect, private plans. Owner, Fred Bergman, Ninetieth and Holstein avenue, Philadelphia. Brick, 2 stories, 30x35 feet, slag roof, pine floors, electric light. Owner will build.

Store and Storage (add. and alts.), 114 South Nineteenth street, \$4,000. Architect, Guy B. Johnson, 237 South Sixteenth street, Philadelphia. Owner, William J. O'Brien, 1033 Walnut street, Philadelphia. Brick, 2 stories add., 15x34 feet, general alterations. Owner will build.

Residence, North side Suffolk avenue, East of Eighty-ninth street, \$3,000. Owner, Royal Fleming, Eighty-eighth and Suffolk avenue, Philadelphia. Brick, 1 story, 15x34 feet, hot air heat, electric light. Owner will build.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Low bidders: Schedule A, Branch Sewers—Bath street, Victoria and Venango streets; Sarcos Cont. Co., 1213 Snyder street, Philadelphia, \$785. Erie avenue, D to I street; Sarcos Cont. Co., 1213 Snyder street, Philadelphia, \$29,259. Hegerman street, Howell street to Vankirk street; Joseph Moss, 1652 Wakeling street, Philadelphia, \$3,652.50. Island avenue, Gray's avenue to Glenmore street; J. J. McHugh, 1617 Race street, Philadelphia, \$2,715.50. Jackson street, Howell street to Comly street; J. J. McHugh, 1617 Race street, Philadelphia, \$601.50. Large street, Bridge to Sanger; McCool Const. Co., Broad and Passyunk, Philadelphia, \$5,879.93. Limekiln pike, Champlost to Church lane; Edward F. Bennis, 5648 Chew street, Philadelphia, \$8,691.90. Pearce street, Orthodox street to Duncan; A. Mattio, care of owners, \$5,244.05. Randolph street, Johnson to Bigler; Clifton Const. Co., care of owners, \$6,416. Rawle street, Vandyke street to Tulip; Sarcos

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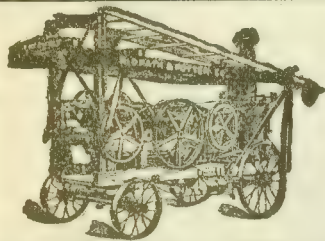
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Cont. Co., 1213 Snyder avenue, Philadelphia, \$5,230. Sixty-first, Gibson avenue to Eastwick avenue; N. Pizzagno, 907 South Thirteenth street, Philadelphia, \$9,891. Stenton avenue, Sheldon to Shedaker; N. Pizzagno, 907 South Thirteenth street, Philadelphia, \$5,890. Twenty-first street, Spencer street to Godfrey avenue; J. J. McHugh, 1617 Race

street, Philadelphia, \$9,294.50. Unity street, Wingohocking to Adams; J. J. McHugh, 1617 Race street, Philadelphia, \$4,797.80. Schedule C—Grading, Paving, etc., Northeast Sewage Treatment Works; Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$88,210.50. Wingohocking Sewer, McAllister avenue; McLean Const. Co., Pier 80, South Wharves, Philadelphia, \$505,965.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence and Garage, northeast corner of Elbow Lane and Easy street, \$24,000. Architect, Robert Rodes McGoodwin, Sixteenth and Walnut streets, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Stone, 2½ stories, 40x32 feet. Garage, one story, 12x22 feet, slate roof, oak and yellow pine floors, hot water heat, electric light. Contract awarded to John E. Walt, 204 East Willow Grove avenue, Philadelphia.

Factory, south side of Ruffner street, east of Wissahickon avenue, \$12,000. Architect, private plans. Owner, Charles W. Irvin, 226 South Seventh street, Philadelphia. Brick, one story, 50x81 feet, slag roof, electric light. Contract awarded to E. A. Carroll, Jr., 5203 Germantown avenue.

Hoist House, Coal Yard Facilities and Office, Twenty-ninth and Brown streets, Philadelphia. Architect, Samuel T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Steel, corrugated metal, brick, 1 story, and 1 story 26x14 feet, wing 29x9 feet, hoist house, 10x8 feet, built-up asbestos roof, cement and pine floors, plumbing, concrete, painting and glazing, electric light, ornamental iron work, mechanical conveyor, 152 feet long. Contract awarded Nicholson Co., Inc., New York City.

Basement Church, 1608 West Allegheny avenue, Philadelphia. Architect, H. G. Hammer, 1716 Spring Garden street, Philadelphia. Owners, Barachah Tabernacle, Rev. O. R. Palmer, 2244 North Twenty-ninth street, Philadelphia. Stone, basement, 100x61 feet, slag roof, cement and pine floors, steam heat, electric light, metal lath, ornamental iron work. Contract on basement church to Michael McCullough, 2409 North Sharswood street, Philadelphia.

Stores (4) and Apartments, Marshall and Poplar streets, Philadelphia. Architects, E. H. Silverman and Abraham Levy, Elrae Building, Philadelphia. Brick, steel, 2 stories, 29x40 feet, slag roof, oak, pine and cement floors, hot water heat, electric light, tile work. Contract awarded Max Siegel, 1723 North Franklin street, Philadelphia.

Residence (alts.), 905 Clinton street, Philadelphia. Architects, Stewardson & Page, 315 South Fifteenth street, Philadelphia. Owner, Thornton Oakley, on premises. Metal lath, carpentry, plastering, marble work, tile work, hardware, painting and plumbing. Contract awarded W. R. Dougherty, 1610 Sansom street, Philadelphia.

Restaurant and Office Building, 3720-22 North Broad street, Philadelphia. Architect, I. Demchick, 1701 Chestnut street, Philadelphia. Owners, Linton Lunch, 655 North Broad street, Philadelphia. Limestone, brick, steel, 2 stories and basement, 36x103 feet, slag roof, cement and pine, tile floors, steam heat, electric light. Contract awarded Kober Const. Co., 34 South Seventeenth street, Philadelphia. Plans in progress.

Fourth Section, Broad Street Subway (also Terminal Yards). Owners, Department of City Transit, H. Ehlers, 1211 Chestnut street, Philadelphia. Contract awarded Patrick J. McGovern, 3427 North Broad street, Philadelphia, \$11,498,023.

Miscellaneous School Work, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Contracts awarded: Joe Cooke School, William Langhorne, 10 South Eighteenth street, Philadelphia, \$7,575; plumbing, S. Faith & Co., 2427 Pennsylvania avenue, Philadelphia, \$5,527; heating, W. McClintock, 900 West Arizona, \$595. Rodney School: William Lang-

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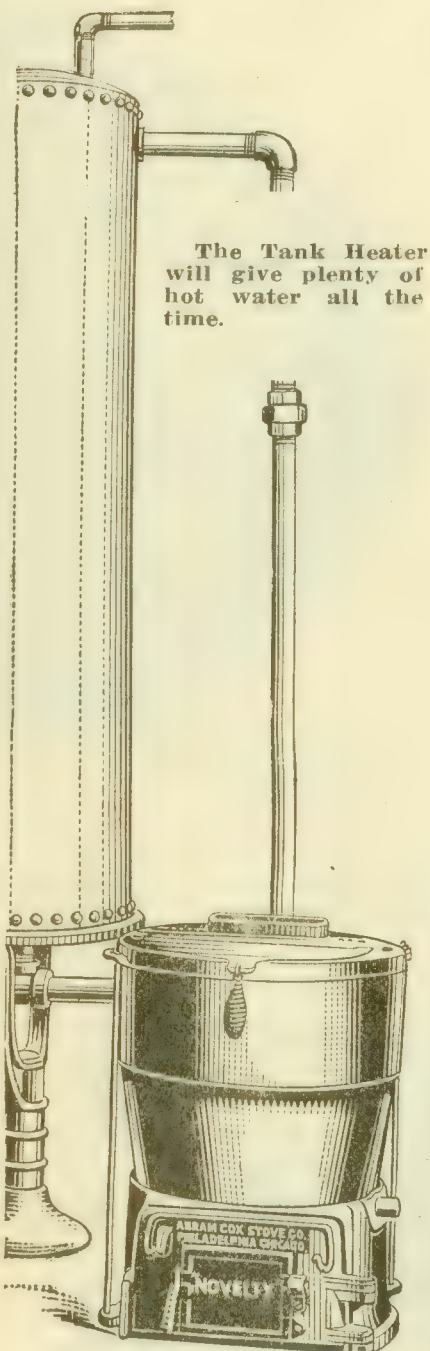
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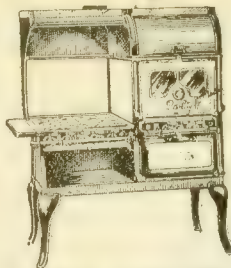
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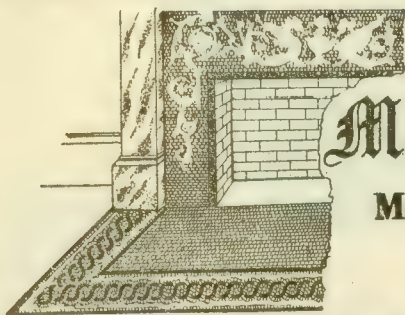


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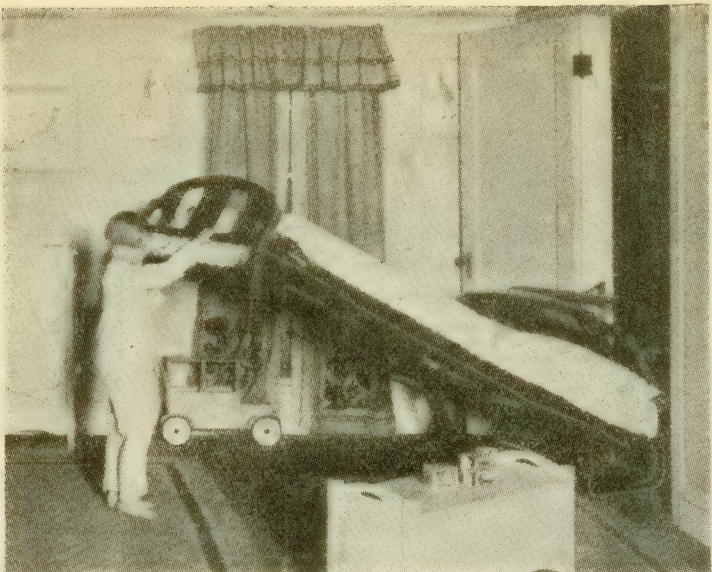
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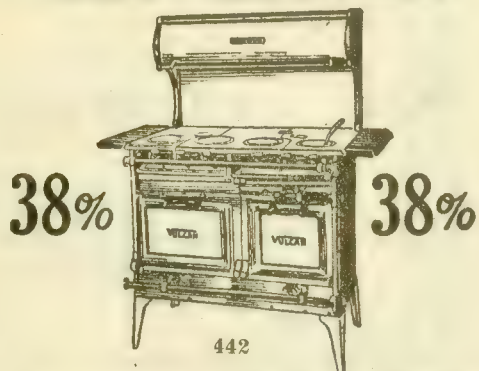
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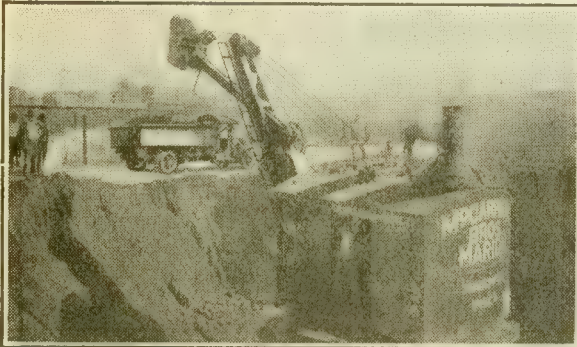
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home, 10 South Eighteenth street, \$20,494; plumbing, S. Faith & Co., 2427 Pennsylvania avenue, \$4,727; electric, Enterprise Elec. Co., 239 South Tenth street, \$2,284; heating, William McClintock, 900 West Arizona street, \$16,448.

Stable, East side Torresdale avenue, South of Linden avenue, \$14,350. Architect, Fred P. Green, 8560 Cottage street, Philadelphia. Owners, City of Philadelphia, City Hall, Philadelphia. Stone and frame, 2 stories, 45x58 feet, 1 story, 36x58 feet. Contract awarded to John F. Cody, Jr., 3201 Ashburner street, Philadelphia.

Residence (alts. and add.), 1819 Delancy street, Philadelphia, \$10,000. Architects, Stewardson & Page, 315 South Fifteenth street, Philadelphia. Owner, C. P. Lineweaver, on premises. Slag roof, yellow pine floors, carpentry, mill work, painting, glazing, plastering. Contract awarded to William R. Dougherty, 1610 Sansom street, Philadelphia.

Exhibit Building No. 1, Broad and Packer streets, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Sesqui-Centennial Exposition, Fifth and Chestnut streets, Philadelphia. Structural steel, metal lath, stucco, 1 story, 970x393 feet, saw-tooth skylights, pine floors, reinforced concrete, painting, glazing, hardware, steel sash and monitor (plumbing, heating, electric separate), metal toilet partitions, wood pipes, gypsum, slag and asphalt roof. Contract awarded to Austin & Co., Cleveland, Ohio, \$850,000.

Alterations and Additions, 3423 Walnut street, Philadelphia. Architect, Frank V. Nickels, 15 South Twenty-first street, Philadelphia. Owner, Mrs. Jennie Hawthorne, on premises. Brick, 1 story and basement, 25x14 feet, slag roof, pine floors, electric light, plumbing, rolled steel sash. Contract awarded Knox Landers, 1132 Vine street, Philadelphia.

Bank and Office Building, Northeast Corner Fifteenth and Walnut streets, Philadelphia. Architects, Day & Klauder, Franklin Bank Building, Philadelphia. Owners, Drexel Co., Fifth and Chestnut streets, Philadelphia. Brick, cut stone, granite, 7 stories and basement, 90x50 feet, slag roof, cement floors, steam heat, electric light, metal lath, tile work. Contract awarded without competition to Doyle & Co., 1519 Sansom street, Philadelphia. Plans in progress.

Storm Water Sewage, Philadelphia. Owners, City of Philadelphia, Department of Public Works, City Hall. Packer, Broad to Tenth; Tenth, Johnson to Geary; Twentieth, Packer to Pattison; Pattison, Twentieth to Tenth; Tenth, Pattison to Hartranft; Pattison, Tenth to Seventh; Seventh, Pattison to Johnson. Contract awarded: J. Joseph McHugh, 1617 Race street, Philadelphia, \$287,857.71.

Garage, 632-34 Federal street, Philadelphia, \$15,600. Architect, private plans. Owner, Vincent J. Girard, Southeast Corner Seventh and Federal streets, Philadelphia. Brick,

1 story, 24x32 feet, 48x49 feet and 58x71 feet, slag roof, cement floors, electric light. Contract awarded to Scurci & Macrame, 734 South Seventh street, Philadelphia.

Residence and Store (add. and alts.), Northeast Corner Fifth and Germantown avenue, \$7,400. Architect, private plans. Owner, M. Margolis, 2641 North Fifth street, Philadelphia. Brick, 1 story add., 8x5 feet 6 inches, general alterations. Contract awarded to A. Winder, 2539 North Sixth street, Philadelphia.

Garage, South side Mermaid lane, West of Pennsylvania Railroad, Philadelphia, \$3,000. Architect, private plans. Owner, Charles Goodin, on premises. Stone, 2 stories, 15x22 feet, cement floors, electric lighting. Contract awarded to Bowman & Ralston, 8127 Germantown avenue.

Store, 4980 Rising Sun avenue, Philadelphia, \$2,000. Architect, private plans. Owner, A. Kirch, on premises. Brick, 1 story, 27x27 feet, pine floors, slag roof, electric work. Contract awarded to A. C. Kurtz, 2109 North Fourth street, Philadelphia.

Building (add.), Northeast Corner Tenth and Pierce streets, Philadelphia, \$2,000. Architect, private plans. Owner, P. Midiri, on premises. Brick, 1 story; 15x23 feet, slag roof, pine floors, electric work. Contract awarded to John Arcana, 1709 South Thirteenth street, Philadelphia.

Residence (alts.), 6400 Drexel road, Philadelphia, \$2,000. Architect, private plans. Owner, T. E. Murphy, on premises. General alterations. Contract awarded to M. W. Young, 2037 North Sixty-third street, Philadelphia.

Store and Residence (add.), 2839 West Girard avenue, \$8,000. Architect, private plans. Owners, M. & I. Markowitz, 2637 West Girard avenue, Philadelphia. Brick, 3 stories add., 18x8 feet, slag roof, electric lighting. Contract awarded to Herman Geithner, 1322 North Twenty-eighth street, Philadelphia.

Warehouse, 1521 South Front street, Philadelphia, \$8,000. Owners, Philadelphia Erdman Vinegar Co., 1521 South Front street, Philadelphia. Brick, 2 stories, 50x36 feet, slag roof, electric lighting. Contract awarded to A. Raymond Raff Co., 1635 Thompson street.

Residence and Office (alts.), 1833-35 South Broad street, \$7,800. Architect, private plans. Owner, Frank Di Berardino, 1835 South Broad street, Philadelphia. General alterations. Contract awarded to Henry C. Dahl, 231 South Eighth street, Philadelphia.

Residence, Northwest Corner Verree road and Rhawn street, Philadelphia, \$7,500. Architect, private plans. Owner, Mrs. L. V. Kane, Fox Chase, Philadelphia. Frame, 2 stories, 27x45 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Harry L. Watson, Fox Chase, Philadelphia.

Building (add.), 2618 Bridge street, Philadelphia, \$4,000. Architect, private plans. Owners, Walter Rolle Casting Co., on premises. Iron, 1 story add., 44x23 feet. Contract

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awarded to H. A. Hopple, Heed Building, Philadelphia.

Residence, South side Fuller street, West of Loretta avenue, \$5,500. Architect, private plans. Owner, Edward Henfey, Burholme, Philadelphia. Frame, 2 stories, 24x28 feet, shingle roof, hot air heat, electric light, hardwood and pine floors. Contract awarded to Fred Redmer, Cheltenham, Pa.

Manufacturing Building, East side Twenty-first street, South of Godfrey avenue, \$8,000. Architect, private plans. Owners, Albestos Corporation, on premises. Iron, 1 story, 20x40 feet, 26x16 feet, 40x16 feet. Contract awarded to Robert E. Lamb Co., 843 North Nineteenth street, Philadelphia.

Residence (add.), Southeast Corner Highland avenue and Navahoe street, \$7,600. Architect, Harry Parker, 1120 Locust street, Philadelphia. Owner, William Hamilton, 116 West Walnut lane, Philadelphia. Brick, 2 stories add., 28x9 feet. Contract awarded to John R. Erbe, 2551 North Sixth street, Philadelphia.

Building (add.), 230 North Camac street, Philadelphia, \$7,500. Architect, private plans. Owners, Keller Pike Co., 1230 Race street, Philadelphia. Brick, 1 story, 18x14 feet, and 1 story, 3x37 feet. Contract awarded to William E. Hale, 1516 Summer street, Philadelphia.

Building (alts.), West side Ridge avenue, North of Allegheny avenue, \$5,000. Owners, Laurel Hill Cemetery Co., on premises. General alterations. Contract awarded to E. E. Hollenback, Inc., 1804 Brandywine street.

Residence, Northeast Corner Levick and Edmund streets, Philadelphia, \$3,800. Architect, private plans. Owner, Mrs. Nora Neville, 3924 Hellerman street, Philadelphia. Brick, 2 stories, 16x30 feet, hot air heat, electric light, slag roof, pine floors. Contract awarded to A. Phillips, 3411 Disston street, Philadelphia.

Residence (alts.), 117 North Fiftieth street, Philadelphia, \$3,000. Architect, private plans. Owner, Mr. Brenner, 117 North Fiftieth street, Philadelphia. General alterations. Contract awarded to J. Howard Roberts, Lansdowne, Pa.

Garage and Shop, 1211 Brown street (rear), Philadelphia, \$2,200. Architect, private plans. Owner, John Blackburne, care of builder. Brick, 1 story, 15x40 feet, slag roof, cement floors. Contract awarded to H. H. Conway, 5800 Walnut street, Philadelphia.

Building, Southwest Corner Seventeenth and Federal streets, Philadelphia, \$2,000. Architect, private plans. Owners, American Stores Co., 424 North Nineteenth street, Philadelphia. General alterations. Contract awarded to Charles Egrich, 667 North Fifteenth street, Philadelphia.

Garage, 806-08 West Callowhill street, Philadelphia, \$48,000. Architect, Fred N. Greisler, 1035 Walnut street, Philadelphia. Owners, Cossoy & Huskey, Howard and Columbia avenue, Philadelphia. Brick, 2 stories, 38x31 feet, 58x60 feet and 53x30 feet, slag roof, cement floors, steam heat, electric light. Contract awarded to H. Brocklehurst, 512 West Norris street, Philadelphia.

Residence, South side Hillcrest avenue, East of Germantown avenue, \$15,000. Architect, private plans. Owner, Aubrey H. Williams, 310 East Highland avenue, Philadelphia. Stone, 3 stories, 37x23 feet, 16x7 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to John R. Erbe, 2551 North Sixth street, Philadelphia.

Residence and Store, 5929 Torresdale avenue, Philadelphia, \$8,000. Architect, private plans. Owner, John Earle, 1735 Orthodox street, Philadelphia. Brick, 2 stories, 18x64 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded

to Dardis & Laveny, 4438 Leiper street, Philadelphia.

Building (add.), 1626 Ludlow street, Philadelphia, \$3,000. Architect, private plans. Owner, A. L. Fortune, 1010 Locust street, Philadelphia. Brick, 2 stories add., 12x19 feet, slag roof, pine floors. Contract awarded to Alex. Pezzillo, 3534 Kensington avenue.

Residence and Store (alts.), 5656-58 North Fifth street, Philadelphia, \$2,500. Architect, private plans. Owners, American Stores Co., 424 North Nineteenth street, Philadelphia. General alterations. Contract awarded to Charles Egrich, 667 North Fifteenth street, Philadelphia.

Pennsylvania Construction News

Passenger and Freight Station, Yard, etc., Queen, Race, Hanover and York streets, Pottstown, \$1,000,000. Architect, S. G. Wagner, Reading Terminal Building, Philadelphia. Owners, Philadelphia & Reading, Twelfth and Market streets, Philadelphia. Work contemplated. Preliminary plans in progress.

Hotel, Center and Howard streets, Pottsville, Pa. Architects, Thomas, Martin & Kirkpatrick, Otis Building, Philadelphia. Owner, name withheld, care of E. C. Luther, Thompson Building, Pottsville. Brick, stone, steel, concrete, 8 stories. Sketches drawn.

School, Northampton, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, School Board, R. Schaeffer, Northampton, Pa. Brick, steel, 2 stories and basement. Sketches drawn.

School, Jeffersonville, Pa. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owners, West Norristown Township School Board, J. W. Holmes, Norristown. Brick, 1 story. Preliminary plans in progress.

School, Aldan, Pa. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owners, School Board of Aldan, A. L. Renner, Aldan, Pa. Brick, 2 stories and basement. Preliminary plans in progress.

College Building, Gettysburg, Pa. Architect, G. C. Baum, 1511 Arch street, Philadelphia. Owners, Gettysburg College, Rev. H. A. Hansen, Gettysburg, Pa. Brick, 2 stories and basement. Plans in progress.

Theatre and Lodge Building (alts. and add.), Frackville, Pa. Architect, J. B. Thompson, 34 South Seventeenth street, Philadel-

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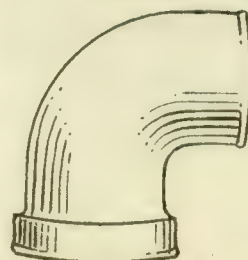
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phia. Owners, Garden Theatre, Mayer Paret, Frackville, Pa. Preliminary plans in progress.

Residence (alts. and add.), 119 Princeton, Swarthmore, Pa. Architect, E. Lane Crawford, Boyer Arcade, Norristown, Pa. Owner, B. H. Isfort, on premises. Stone, frame, 2½ stories, 15x20 feet, shingle roof, minor alterations. Plans in progress. Ready for bids in two weeks.

Main Building (alts.), Fern Rock, Pa. Architect, Ralph L. Goldberg, 10 South Eighth street, Philadelphia. Owners, Jewish Foster Home, care of Dr. Stern, 700 Church lane, Philadelphia. General alterations and new fire tower. Plans in progress.

Residence, Shamokin, Pa. Architects, Muhlenberg Brothers, 511 Penn street, Reading, Pa. Owner, H. K. Leader, Shamokin, Pa. Brick, 2½ stories, 30x40 feet, slate roof, hardwood floors, electric light. Plans in progress.

Church, Glen Rock, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owners, Evangelical Church, care of architect. Brick, 1 story and basement. Too early for details.

Residence, Harrisburg, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owner, Harry McFadden, 1612 North Second street, Harrisburg, Pa. Preliminary plans in progress.

Residence, Riverside, Harrisburg, Pa., \$60,000. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owner, Redsecker Brinser, 2138 North Second street, Harrisburg, Pa. Preliminary plans in progress.

Residence, Spring City, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, Levi Berkenstock, Wall street, Spring City, Pa. Brick, 2½ stories, 28x28 feet, asbestos roof, yellow pine floors, wood sash, pipeless heat, electric light. Plans in progress.

Plant Enclosure, Spring City, Pa. Engineer, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owners, Schuylkill Valley Mills, Inc., Spring City, Pa. Stone and concrete walls, iron fences, gate posts, folding gates. Plans completed. Owners will take bids.

Residence, Bellevue, Harrisburg, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owner, Albert Schmidt, 1608 Boas street, Harrisburg, Pa. Stone, stucco, 2½ stories, 43x31 feet, slate roof, hardwood floors, steam heat, electric light, tile work. Plans in progress. Architect will be ready for bids in one week.

School, Mt. Alto, Pa. Architect, W. W. Witman, 21 North Nineteenth street, Harrisburg, Pa. Owners, State Forestry School, Dr. Staley, Capitol, Harrisburg, Pa. Steel, concrete, brick, 3 stories and basement, 72x150 feet, slag roof, composition floors, hollow tile, safety treads, roof ventilators, waterproofing and dampproofing, cast stone, ornamental iron, iron stairs, tile work, metal lath (heating, plumbing and electric separate). Owners and architect taking bids due September 4th.

Church and Sunday School, Easton, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owners, Evangelical Church, Rev. E. M. Smith, Easton, Pa. Stone, brick, steel, 1 and 3 stories, 40x120 feet, slate and composition roof, yellow pine floors, cinder block, vapor heat, electric light. Architect taking bids due as soon as possible.

Residence, Wynnewood, Pa. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owner, Dr. B. P. Widmann, Wynnewood, Pa. Stone, 2½ stories, 28x38 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Architects ready for bids.

Store and Apartment (2), Port Reading and Morris road, Ardmore, Pa. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, name withheld. Brick, stucco, 2 sto-

ries, 20x56 feet, 20x46 feet, slag roof, hardwood floor, hot water heat, electric light, tile work, flush bulks, metal ceiling. Plans about completed. Owner will take bids in a few days.

Fire House, Shenandoah Heights, Pa. Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owners, Fire Company No. 1, Shenandoah Heights, Pa. Concrete block, stucco, brick, 2 stories and basement, 28x50 feet, structural steel, steam heat, electric light, built-up roof, pine floors, plumbing, miscellaneous iron work. Owners, care of John Jenkins, 228 Ohio avenue, Shenandoah Heights, Pa., taking bids.

Store and Apartments (2), Port Reading and Morris road, Ardmore. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owners, Salason & Freed, Franklin Bank Building, Philadelphia. Brick, stucco, 2 stories, 20x56 feet, 20x46 feet, slag roof, hardwood floors, hot water heat, electric light, tile work, flush bulks, metal ceilings. Owners ready for sub-bids.

School (alts. and add.), Bethlehem, Pa. Architects, Ritter & Shay, North American Building, Philadelphia. Owners, Board of Education, Bethlehem, Pa. Preliminary plans in progress.

Apartment (alts.), Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, J. J. Bair, 446 East King street, Lancaster, Pa. Brick, 2½ stories, oak floors, electric light, tile work, general alterations. Owner will take bids in ten days.

School, Manheim, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, Manheim School Board, care of architect. Brick, steel, 1 story, 200x100 feet, maple floors, electric light. Plans in progress.

School (add.), Lancaster, Pa. Architect, C. Emlen Urban, Woolworth Building, Lancaster, Pa. Owners, Lancaster School Board, K. Johnson, president, Administration Building, Lancaster, Pa. Brick, 2 stories, 25x40 feet, slate roof, electric work, plumbing (heating, plumbing and electric work separate bids). Owners ready for bids.

School, Allentown, Pa. Architects, Rhue & Lang, Allentown, Pa. Owners, Board of Education, P. Werner, Allentown, Pa. Brick, steel, 2 stories and basement. Owners taking bids due September 8th.

Main Cell Building, Rockview, Center County, Pa. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Board of Trustees, Western State Penitentiary, North Side of Pittsburgh, Pa. Furnish and install underground steam units and return, electric fixtures and electrical materials delivered f. o. b. cars Rockview. Enamel brick, including special shapes, f. o. b. cars Rockview. Certified check 10 per cent. or bidder's bond 50 per cent. Surety bond 50 per cent. of contract price. Owners taking bids due September 2nd at noon (Standard Time). Plans may be secured from owners, architect, or supervisor of construction, W. T. Grange Const. Co., 803 Keenan Building, Pittsburgh, Pa.

Residence, Second and Division streets, Harrisburg, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owner, Paul Doutrich, Front and Boas streets, Harrisburg, Pa. Brick, 2½ stories, 30x45 feet, slate roof, hardwood floors, hot water heat, electric light, tile work (heating reserved). Architect taking bids due as soon as possible.

School, Branchdale, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, Star of the Sea Roman Catholic Church, Rev. C. O'Brien, Branchdale, Pa. Frame, steel, 2 stories, 80x54 feet, composition roof, pine floors, steam heat, electric light, iron stairs. Owners taking bids.

Church, Northampton, Pa. Architect, Sigmund J. Laschenski, 1220 Locust street, Philadelphia. Owners, St. Michael's Roman Catholic Church, 829 Main street, Northampton, Pa. Brick, hot water heat, electric light, slate roof, hardwood floors. Architect taking bids due August 28th, 1 o'clock (Standard Time).

Junior High School, Haverford Township, Pa. Architects, Boyd, Abel & Gugert, Otis Building, Philadelphia. Owners, Haverford Township, J. W. Huff, superintendent, Haverford, Pa. General construction, plumbing, heating, electric. Owners taking bids due September 8th. Certified checks as follows: \$5,000 for general, \$1,000 each for plumbing, heating, \$500 electric. Plans may be secured on and after noon of August 28th.

School, Lincoln, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owners, Ephrata Township School Board, Lititz, Pa. Brick, 1 story and basement, 59x82 feet, slag roof, pine floors, roof ventilators (heating, plumbing and electric separate). Owners and architect taking bids due August 29th.

Residence and Garage, Drexel Park, Pa. Architect, R. R. Neely, 2301 Spruce street, Philadelphia. Owner, J. G. Davenport, care of architect. Stone, stucco, 2½ stories, 28x42 feet, 1 story, 18x22 feet, slate roof, hardwood and cement floors, brick fireplace, hot water heat, electric light. Architect taking bids due as soon as possible.

Bridge No. 90, over Ridley Creek, Pa.; **Bridge No. 185,** West Ninth Street Bridge, over Chester River, Pa. Engineer, S. C. Hollister, Media, Pa. Owners, Delaware County, G. T. Wadas, Media, Pa. Bridge No. 90, reinforced concrete arch, 6 span, 700 feet in length, to replace present steel bridge. Certified check 10 per cent. Deposit, \$10, no refund. Bridge No. 185, reinforced concrete arch, 160¼ span, to replace present steel through truss. Deposit, \$10, no refund. Certified check, 10 per cent. Owners taking bids due September 14th, 11 A. M. (Daylight Saving Time). Plans and specifications may be obtained from Controller Wades, Media, Pa.

Sewers, Darby, Pa. Architects, Damon & Foster, Post Office Building, Upper Darby, Pa. Owners, Borough of Darby, H. E. Smith, Darby, Pa. Construction of terra cotta pipes for sewers on Mill street, Fuller street, Cedar street, Tenth street, Eleventh street, Marks avenue. Certified check \$100.00. Owners taking bids, due September 2nd, 8 P. M., Daylight Saving time.

Paving, Upper Darby, Pa. Owners, Township of Upper Darby, H. E. Muty, Chairman of Sidewalk Commission, Upper Darby, Pa. Construction of cement concrete sidewalks, curbs and gutters for year 1925. Specifications on file Bureau of Public Works, Municipal Building, Upper Darby. Owners taking bids, due September 1st 8 P. M., Daylight Saving time.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Owners taking bids, due September 1st at 10 A. M., for construction of bituminous surface course on concrete base or reinforced concrete.

Armstrong County, R-69, A-3030-2617, Kiskiminstas and Park Townships, 1.95 miles.

Armstrong County, R-251, A-3027, East Franklin Township, 2.20 miles.

Beaver County, A-3316, Economy Township, .84 miles.

Crawford County, R-258, A-3356, Venango and Combridge Township, 2.62 miles.

Cumberland County, R-250, New Cumberland and Lemoyne Boroughs, Lower Allen Township, 2.21 miles.

Dauphin and Lebanon Counties, R-139, Derry Township, Palmyra Borough, 1.58 miles.

Lehigh County, A-2497, Catasauqua Borough, 1.42 miles.

Lycoming County, R-20-9, Hepburn Township, 7.15 miles.

Mercer County, A-2451, South Pymatuning Township, 2.61 miles.

Potter County, R-102, Ulysses and Sweden Townships, 12.65 miles.

Washington County, R-268, Centerville Borough, 5.46 miles.

Pennsylvania Contracts Awarded

Township Building and Garage, Abington, Pa. Architects, Tilden & Register, 1520 Locust street, Philadelphia. Owners, Commissioners of Abington Township, Pa. Contract awarded without alterations on glass: S. A. Sims, 2315 Walnut street, Philadelphia, \$50,845; Roy Randall, Jenkintown, Pa., \$50,847. Heating, Slight Brothers, Willow Grove, main \$2,279, garage \$1,515. Plumbing, H. Schaefer, Willow Grove, Pa., Main \$1,680, garage \$420. Electric, Margulis Elec. Co., 28 North Fifth street, Philadelphia, main \$641, garage \$160; Jackson Elec. Co., Glenside, Pa., main \$675, garage \$340.

Stores (4) and Arcade, Montgomery avenue, Narberth, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner, Harry Rittenhouse, Narberth, Pa. Brick, stucco, 1 story and basement, 100x60 feet, slag and tile roof, pine and cement floors, painting and glazing, plumbing, warm air heat, electric light, metal lath, galvanized iron skylights, wrought iron pipe. Contract awarded J. H. Dawson, Folcroft, Pa.

Residence (alts. and add.), Huntingdon Valley, Pa. Architects, Druckenmiller & Williams, Otis Building, Philadelphia. Owner, W. Charles O'Neill, on premises. Bond, brick work, cut stone, concrete and cement work, hollow tile, iron work, carpentry and mill work, plastering, painting and glazing, plumbing, electric work, limestone, floor hardener, iron work, slag roof, finished hardware. Contract awarded Fesmire Brothers, Huntingdon Valley, Pa.

Residences (3), Villa Nova, Pa. Architects, McIlvaine & Roberts, Otis Building, Philadelphia. Stone, cut stone, brick, 2½ stories, 78x30 feet, 76x29 feet, shingle, slag, variegated slate roof, oak and pine floors, plumbing, hot water heat, electric light, metal lath, tile work, bond. Contract awarded H. G. Champion, Otis Building, Philadelphia.

Residence, Garage and Garden Wall, Radnor Township, Pa. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, Edgar B. Howard, on premises. Stone, 2½ stories, 144x44 feet, wing 31x19 feet, variegated slate roof, oak and pine floors, flagstone, cast stone, metal lath, tile and marble work, bond, ornamental iron work, waterproofing, limestone. Contract awarded William J. Ryder, 1725 Sansom street, Philadelphia.

Building (alts.), Markley and Marshall streets, Norristown, Pa. Architect, private plans. Owners, Jordan Auto Co., Norristown, Pa. Brick, 1 story and basement, 28x100 feet, Barrett Specification roof, cement and wood floors, plumbing, steam heat, electric light. Contract awarded Henry L. Borchers, Markley and James streets, Norristown, Pa.

Memorial Building, Glenside, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owners, War Memorial Association, Glenside, Pa. Brick, steel, 2 stories, 105x80 feet, steam heat, electric light, slate roof, oak floors. Contract awarded Albert Zellfelder, 1324 Walnut street, Philadelphia.

Masonic Temple, Pottsville, Pa. Architects,

Muhlenberg Brothers, 511 Penn street, Reading, Pa. Owners, Pulaski Realty Co., Pottsville, Pa. Contract awarded to Gordon Nagle, Pottsville, Pa.

Lodge Building (alts.), Center and Hardin streets, Shenandoah, Pa. Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owners, L. O. O. M., No. 1179, Shenandoah, Pa. Brick, 3 stories and basement, 30x70 feet, built-up roof, composition and maple floors, stucco work, galvanized iron work, marquise copper bulks, hot water heat, electric light, plumbing, tile and marble work. Contract awarded Francis McGrau, 109 South Jardin street, Shenandoah, Pa.

Residence and Garage, Morch Tract, Elkins Park, Pa. Architects, Tilden & Register, 1520 Locust street, Philadelphia. Owner, J. C. Lowery, care of architects. Cinder block and stucco, 2½ stories, 30x40 feet, carpentry and mill work, electric light, cement work. Contract awarded Hesswin Co., 2047 Arch street, Philadelphia.

School (alts. and add.), Pottsville, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, The St. John Baptist Church, Rev. T. W. Longinus, Pottsville, Pa. Slate partitions, tile work, enameled brick. Contract awarded to Gordon Nagle, Pottsville, Pa.

Restaurant (alts.), 233 East Montgomery avenue, Ardmore, Pa. Architect, private plans. Owner, Mary Ramsay, 212 St. James Place, Philadelphia. General alterations and additions. Contract awarded Hood & Gross, 1613 Chestnut street, Philadelphia.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Schuylkill County, R-162, Sec. 1-A, Tamaqua Borough, 3,460 feet. Either bituminous surface course on concrete foundation or one course reinforced concrete. \$48,696.70. Contract awarded to Freeland Const. Co., Hazleton, Pa.

Adams County, R-123, Strabane and Cumberland Townships, 5,469 feet. One course reinforced concrete. \$40,460.26. Contract awarded to Paul R. Hostetter, York, Pa.

Bradford County, R-212, Burlington and North Towanda Townships, Burlington Borough. One course reinforced concrete. \$455,172.28. Contract awarded to David Schoen-tag, Inc., Saugerties, New York.

Schuylkill County, R-199, Tremont and Reilly Townships, 9,951 feet. One course reinforced concrete. \$93,334.80. Contract awarded to R. D. Richardson Const. Co., Scranton, Pa.

Chester County, Route 142, Easttown and Tredyffrin Townships. Contract awarded to Edward H. Ellis, 6017 Christian street, Philadelphia, \$99,937.94.

New Jersey Construction News

Washington Camp, Merchantville, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, P. O. S. A., Merchantville, N. J. Concrete cinder block, timber, 2½ stories, 35x65 feet, steam heat, electric light, slate shingle roof, pine floors. Architects taking bids, due as soon as possible.

Apartment House, Atlantic City, N. J. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, name withheld. Brick, 3 stories, 21 apartments. Preliminary plans in progress.

Residence and Garage, Ventnor, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City. Owner, Mrs. L. London, 1329 Atlantic avenue, Atlantic City. Stucco and cinder block, 2½ stories, 27x60 feet. Plans in progress.

Residence, Haddonfield, N. J. Architect, J. C. Jefferis, 312 Market street, Camden, N. J. Owner, R. W. Kraft, Collingswood, N. J. Brick, 2½ stories. Details undecided. Plans in progress.

Bank, Merchantville, N. J. Architect, J. C. Jefferis, 312 Market street, Camden, N. J. Owners, Merchantville Trust Co., Merchantville, N. J. Stone, 1 story and basement, 64x105 feet, electric light, tile and marble. Plans in progress.

Residence, Merchantville, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, William Hicks, care of architect. Brick, 2½ stories, 32x48 feet, tile roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Junior High School, Blackwood, N. J. Architect, Thomas Stephen, Temple Building, Camden, N. J. Owners, care of Jacob Price, Glendora, N. J. Brick, steel, reinforced concrete, 2 stories and basement, 106x130 feet, slate and slag roof, hardwood floors, hollow tile, safety treads, roof ventilators, cast stone, ornamental iron, concrete stairs, skylights, metal lath (heating, plumbing and electric separate). Plans in progress.

Nurses' Home and Children's Quarters, Camden, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, West Jersey Homeopathic Hospital, Dr. C. P. Hedley, Camden, N. J. Fireproof, 5 stories, each 45x115 feet and 56x105 feet, electric work. Plans in progress.

Hotel (alts. and add.), Atlantic City, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, Hotel Trexler, care of architects. Brick, 4 stories, 32x55 feet, slag roof, pine floors, electric light, tile work. Plans in progress.

Residence (alts. and add.), Pine Grove, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owner, Dr. C. J. Fleming, Pine Grove, N. J. Extensive alterations, stucco, partitions. Plans in progress.

Apartment, Trenton, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owner, Peter Schlicker, Jr., 1510 Riverside Drive, Trenton. Concrete, brick, steel, 3 stories, 55x185 feet, slag roof, hardwood floors, terra cotta, iron stairs, tile and marble, metal lath, vapor heat, electric light. Architects ready for bids due September 5th.

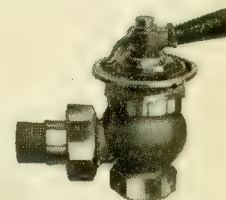
Residence, Garage and Stable, Morristown, N. J. Architects, C. Barton Keen & Wallace, 338 South Smedley street, Philadelphia. Owners, Warren Hires-Turner, care of architect. Stone, 3 stories. Plans in progress.

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Hotel (add.), Boardwalk and St. Charles Place, Atlantic City. Architects, Warren & Wetmore, 16 East Fortieth street, New York City. Owners, St. Charles Hotel Co., Atlantic City, N. Y. Brick, steel, limestone, steel, 12 stories and basement and tower, 78x52 feet (plumbing, heating, elevators, electric separate), slag roof, tile work, cement floors, hollow tile, metal weather stripping, dampproofing, architectural terra cotta, ornamental iron work, kalamein and hollow metal doors, elevator doors, metal lath, tile and marble work, terrazzo work, sound-proofing, Cainara glass, mail chutes, gypsum partitions, caulking, painting and glazing. Architects taking bids due September 10th.

Grade School, Margate City, N. J. Architect, V. B. Smith, Atlantic City, N. J. Owners, Board of Education, Margate City, N. J. Brick, cut stone, steel reinforced concrete, 2 stories and ground floors, 124x121 feet (plumbing, heating, electric mechanical equipment), slag roof, mineral cement and pine floors, painting and glazing, metal lath, tile and marble work, hollow metal doors, bond, ornamental iron work, iron stairs, architectural terra cotta, roof ventilators, piling. Certified check 10 per cent. of bid. Bluestone, metal partitions, integral waterproofing, ornamental plastering. Certified check 10 per cent. of bid. Owners taking revised bids due September 3rd.

High School, Hammonton, N. J. Architects, Lackey & Hettle, 5 Hudson avenue, Camden, N. J. Owners, Board of Education, Hammonton, N. J. Brick, steel, 2 stories and basement, 132x109 feet, wing 114x67 feet, wing 106x66 feet, certified check or bid bond, bond, full amount, excavation, grading, concrete work, composition stone work, imitation limestone, cast stone, brick work, structural steel, iron stairs, ladders and window guards, metal toilet partitions, dampproofing, integral waterproofing, steel lumber and metal lath, steel sash, galvanized iron ventilators, slag roof, plastering, metal lath, ornamental plaster, metal ceilings, carpentry and mill work, maple floors, tile and slate work, blackboards, cement floors and walks, painting and glazing, asbestos wood picture booth, acoustical treatment (plumbing, heating and electric separate bids). Owners taking bids due September 3rd.

Residence, Tisdale Place, Woodbridge, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owner, Fred A. Briegs, Tisdale Place, Woodbridge, N. J. Stucco and hollow tile, 2½ stories, 28x38 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Architects taking bids.

Residences (3), Oaklynne, N. J. Architect, private plans. Owners, Soffe Brothers, 517 Federal street, Camden, N. J. Frame, 6 rooms, hot water heat and hot air heat, electric light, asphalt shingle roof. Owners will build.

Residences (3), Runnemede, N. J. Architect, private plans. Owners, Soffe Brothers, 517 Federal street, Camden, N. J. Frame, 6 rooms, asphalt shingle roof, hot water and hot air heat, tile work. Owners will build.

Residences (2), 446-48 North Thirtyfourth street, Camden, N. J., \$10,500. Architect, private plans. Owner, Alfonso Verdi, 6145 West Girard avenue, Philadelphia. Frame, 2 stories, 14 feet 6 inches x 50 feet, slag roof, hot water heat, electric light. Owner will build.

Residence, Trenton, N. J., \$6,500. Architect, private plans. Owner, George Brammer, 761 Chambers street, Trenton, N. J. Frame, 1½ stories, 27x42 feet, tile roof, pine floors, hot water heat, electric light. Owner will build.

Bridge, over Westcunk Creek, Route No. 4, Ocean County, N. J. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Reinforced concrete, 2 spans, 20 feet 9 inches

each, roadway 40 feet. Owners taking bids due August 31st at 11 A. M. (Standard Time). Deposit of \$10. Certified check for 10 per cent. of bid required.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Trenton, N. J. Cumberland County, Route 20, Section 4, City of Millville. Excavation, single line reinforced concrete pavement, gravel shoulders. Owners taking bids due August 31st at 11 A. M. (Standard Time). Certified check, 10 per cent. required. Deposit of \$10.00 required.

New Jersey Contracts Awarded

Incinerator Building, Asyla, N. J. Architect, Arnold H. Moses, Temple Building, Camden, N. J. Owners, Camden County Tuberculosis Hospital, Board of Chosen Freeholders, Camden, N. J. Brick, reinforced concrete, 2 stories, 20x14 feet, built-up roof, cement floors, rolled steel sash. Contract awarded to Howard Fearn, 4402 Westfield avenue, Camden, N. J. Incinerator awarded to Ansonia Incinerator Co., 71 Eighth avenue, New York.

Residence, Somerville, N. J., \$14,000. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owner, Mrs. H. M. Ward, Somerville, N. J. General alterations, tile work. Contract awarded to Hall Brothers, Somerville, N. J.

Residences (3), 914-14½-16 Mt. Vernon street, Camden, N. J., \$10,000. Architect, private plans. Owner, Walter Dziatkiewicz, Camden, N. J. Brick and block, 2 stories, 13 feet 4 inches x 40 feet, slag roof, pine floors, hot air heat, electric light. Contract awarded to John Onderski, 1825 Tioga street, Philadelphia.

Residence, 3028 Westfield avenue, Camden, N. J., \$5,500. Architect, Arnold H. Moses, Temple Building, Camden, N. J. Owners, St. Wilfred's Protestant Episcopal Church, Camden, N. J. Block, 2½ stories, 18x60 feet, slate roof, hardwood and pine floors, electric lighting. Contract awarded to Theodore Hubbs, 321 Benson street, Camden, N. J.

Residences (alts.) to Apartment House, 1502-10 Mt. Ephraim avenue, Camden, N. J., \$4,000. Architect, private plans. Owner, John Okuliez, 1510 Mt. Ephraim avenue, Camden, N. J. General alterations, demolition, brick, add. 2 stories, 16x32 feet, slag roof. Contract awarded to Edward Praiss, 1566 Mt. Ephraim avenue, Camden, N. J.

Residences (4), Haddon Heights, N. J. Architect, private plans. Owner, Conrad Sacks, Camden, N. J. Frame, 6 rooms, hot water and hot air heat, tile work. Contract awarded to Soffe Brothers, 517 Federal street, Camden, N. J.

Residence, Lenola, N. J. Architect, private plans. Owner, William Sawson, care of builders. Frame, 6 rooms, hot water heat, electric light, tile work, asphalt shingle roof. Contract awarded to Soffe Brothers, 517 Federal street, Camden, N. J.

Residence, Kirkwood, N. J. Architect, private plans. Owner, J. Sullivan, care of builders. Frame, 6 rooms, hot air heat, electric light, asphalt shingle roof. Contract awarded to Soffe Brothers, 517 Federal street, Camden, N. J.

Store Building, Woodbury, N. J. Architects, care of Construction Department, F. W. Woolworth, Wilkes-Barre, Pa. Owners, F. W. Woolworth Co., Wilkes-Barre, Pa. Brick, one story, 42x90 feet, slag roof, maple floors, steam heat, electric light, tile work, metal ceilings, copper bulks. Contract awarded to Curtis Grinrod Co., 10 South Eighteenth street, Philadelphia.

Delaware Construction News

Road Work, Delaware. Owners, State Highway Department, Dover, Delaware. Low bidders on road work received August 19th, 1925:

Contract CS37, Harmon School-Oak Orchard, 2.00 miles. Old Line Const. Co., Chesterton, Md. Stone, \$53,940. Slag, \$51,570.

Contract CS41, Ocean View-Bethany Beach, 1.40 miles. William W. Truitt, Lincoln City, Del. Stone, \$39,038. Slag, \$38,943.

Contract CS42, Lowes Cross Roads-Mission, 2.89 miles. Field, Barker & Underwood, Commercial Trust Building, Philadelphia. Stone, aggregate, \$106,996. Slag, aggregate, \$103,090.

Contract CS43, Blades Connection, 0.32 mile. E. P. Downing, Seaford, Del. Stone, \$9,232. Slag, \$9,232.

Contract CS44, DuPont Road-Stockley, 1.10 miles. Old Line Const. Co., Chestertown, Md. Stone, \$30,762.10. Slag, \$29,809.25.

Delaware Contracts Awarded

Road Work, Delaware. Owners, State Highway Department, Dover, Del.

Contract No. 55, White Oak road, 1.00 mile. Contract awarded to Smyrna Cement Products Co., Smyrna, Del., \$8,940.

Contract No. CK11, Blackiston's Cross Roads-Clayton, 3.73 miles. Contract awarded to McNichol Paving & Const. Co., 1923 Cherry street, Philadelphia, \$117,521. Open joint, \$116,339.

Contract CK29, Thompsonville-DuPont Road, 3.4 miles. Contract awarded to McNichol Paving & Const. Co., 1923 Cherry street, Philadelphia. Metal joint, \$109,215.50. Open joint, \$108,139.70.

ATTACKS ON RAIL STEEL REINFORCING BARS ARE FUTILE

By C. J. O'Brien

Objections to and attacks upon rail steel reinforcing bars have generally proceeded from one or two reasons. First, there has been confusion of rail steel reinforcement bars with so-called "re-rolled" material, which was on the market many years ago. This re-rolled material was, as has been said before, the product of small mills and was made from scrap material of all kinds, fagoted, heated, and re-rolled into a very inferior product.

During the early days of the rail steel industry, also, it is quite likely that without specifications and tests, defective shipments reached the market. Engineers and others unused to high carbon steel have associated cases of defective material with the entire modern product.

In the second place there have been industrial conflicts between the rail steel mills and the bar companies which give engineering services and designs and act as intermediaries between the mills and the user. Whatever the reason, the quotations for rail steel reinforcing bars are generally a few dollars a ton less than so-called new billet material, so there has been an active campaign for several years

on the part of some bar companies to build up an opposition in the public mind to rail steel reinforcement bars.

This has taken the form of representations to committees of cities charged with formation of building codes with the purpose of introducing clauses ruling out the use of rail steel reinforcing. This conflict has also taken the form of distribution of laboratory test material representing tests of a few samples containing defective bars. There have been decided attempts to influence technical and standard testing committees to exclude rail steel, thus attempting to commercialize these committees.

The up-shot of all the conflict has been the creation of a feeling of uncertainty in the minds of some engineers who are not accustomed to search into records of laboratory tests and other scientific data. The real test of rail steel bars is the general experience resulting from their use.

In the first place, the specification of new billet steel alone or of rail steel alone on the basis of the specifications of the American Society for Testing Materials has no place in a building code. There is absolutely no question of public safety involved in the use of rail steel bars, simply because of the fact that there has been no case on record in which any concrete structure has failed because of the quality of the steel. Efforts, therefore, to introduce into building codes clauses ruling out rail steel bars are the result of a desire to destroy competition.

The playing up of cases of defective samples defeats its own purpose, because by the same method of attack we must rule out cement, burned clay products, new billet steel and stone. Specifications for all these materials, to be reasonable, are fixed in relation to the average satisfactory product.

The fundamental question of the relative availability of reinforcing concrete steels of low and high carbon content has never been adjudicated. There are certainly advantages in the use of high strength and high elastic limit steel, protecting concrete from large cracks due to overload or through overstrain produced by temperature changes or settling. There is a higher factor of safety against the increased unit stresses which are now advocated for reinforcing bars.

Ductility in reinforcing bars is a matter concerned with fabrication, that is to say, the bending of them. The test of the amount of ductility required is, first, will a bar pass a cold bend test of the American Society of Testing Materials, which is much more severe than the bend required in practice, and second, has there been sufficient ductility in the product to permit its widespread use from the mill to the finished building without interrupting the successful prosecution of the work by rejections.

These rail steel bars will, as a class, pass the cold bend test of the American Society for Testing Materials when tested in a proper manner. They should not be nicked or bent under the blow of a hammer.

In the second place, record of the increasing volume of use from mills to the finished job is reassuring. Certainly the product could not be manufactured in such large quantities and sold unless it was a usable and satisfactory material.

Something has been made by the opponents of rail steel of the fact that bending a bar may introduce cracks at the bend which will cut down the strength of the bent bar in the job. The tests by the Bureau of Standards of bent high carbon bars show that this is not a real danger. It cannot be a real danger or else we would have had indications of the fact in the hundreds of structures in which such material has been used.

Summing up this whole matter and trying to remove the engineering questions from the field of industrial conflict, it may be said:

1. That the preponderance of evidence from laboratory tests is in favor of the conclusion that reinforcing bars rolled from rails are suitable, satisfactory and safe material for concrete reinforcement.

2. That no cases of failure of concrete structures due to the use of rail steel reinforcing are on record. On the contrary scores of cases may be cited where important structures carrying heavy loads have been designed by engineers of technical skill in which rail steel reinforcing bars have served their purpose for years.

3. There is absolutely no reason for the requirement in a building code ruling out the use of rail steel reinforcing bars. There is no question of public safety involved.

4. The material furnished by the mills is uniform enough for a testing process and the application of the standard specifications of the American Society for Testing Materials will assure a satisfactory product.

MECHANICS' LIEN COMMITTEE NAMED BY HOOVER

The appointment by Secretary of Commerce Herbert Hoover of twelve qualified men as a committee to draft a standard State mechanics' lien act is announced in a statement issued by the Department of Commerce. At the request of several national organizations, the Department has undertaken to prepare an act suitable for adoption in the different States.

Mechanics' lien laws provide that contractors, sub-contractors, mechanics, laborers, architects, material men, and others who have contributed toward the construction of a building may obtain a lien on the property if they are not paid for their services within a reasonable time.

The owner of the property then has to pay promptly or allow his property to be sold by the court to settle the claims. One class of cases where lien laws play an important part arises when an irresponsible contractor defaults or goes into bankruptcy, leaving obligations due to workers, material men and subcontractors. Under the provisions of a lien law these creditors may obtain payment from the owner of the property on which the work was performed.

The State laws vary greatly and therefore cause confusion and expense to organizations doing business in several States, and to workers who move from one State to another. Dissatisfaction has been aroused in a number of States by laws whose provisions are said to be un-

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fair to one or more of the different groups concerned, or to be difficult to construe.

In order to frame an act which will be as fair as possible to all the different groups it was felt that they should be represented in deciding on the general principles to be embodied in the act and that the best possible legal advice should be obtained in connection with phrasing it. The committee that Secretary Hoover has brought together accordingly includes representatives of the principal groups including some whose interests are those of the owner.

When a preliminary draft of the act is completed, it will be sent for criticism and suggestions to interested organizations and individuals, including a special new committee of the National Conference of Commissioners on Uniform State Laws of which Mr. Charles V. Imlay, a member of the Hoover committee, is chairman.

The committee has held two meetings, but in view of the large amount of work required to draft such a model law, involving an extensive study of existing statutes and court decisions in regard to them, no date has been announced for completion of the preliminary draft.

The committee's membership is as follows: F. Highlands Burns, Baltimore, Md., Pres., Maryland Casualty Company. William F. Chew, Baltimore, Md., Ex-Pres., National Association of Builders' Exchanges. John M. Gries, Washington, D. C., Chief, Division of Building and Housing, Department of Commerce. George F. Hedrick, Washington, D. C., Pres. Building Trades Council, American Federation of Labor. Charles O'C. Hennessy, New York City, N. Y., Chairman, Legislative Committee, N. Y. State Savings and Loan Assn. League. Charles V. Imlay, Washington, D. C., National Conference of Commissioners on Uniform State Laws. William B. King, Washington, D. C., Counsel National Association of Builders' Exchanges. Victor Mindeloff, Washington, D. C., American Institute of Architects. Chas. H. Paul, Dayton, Ohio, American Engineering Council. Frank Day Smith, Detroit, Mich., National Retail Lumber Dealers' Association. Leonard C. Wason, Boston, Mass., Associated General Contractors. John L. Weaver, Washington, D. C., Ex-Pres., Nat'l Association of Real Estate Boards. Dan H. Wheeler, Secretary.

Homes valued at \$13,000,000 have been purchased by 3,400 employees of the Bethlehem Steel Corporation under the Company's home owning plans, according to the current issue of the Bethlehem Review:

Commenting on building and home

ownership activities, President E. G. Grace says:

"Building and construction activities in this country absorb nearly one ton in every five of the production of iron and steel, being exceeded in steel consumption only by the railroad industry. Building operations interest us not only because they thus provide an important part of the steel market and affect the steadiness of our operations, but also because of their connection with the desire each of us has to own a home.

"Since the World War building operations throughout the country have increased from three and one-half billions of dollars in 1919 to over five billions in 1924. Delayed building has been credited for much of this activity, but it is possible that new factors have now entered the building industry which are just as important as delayed building held over from the war.

"Increased buying power during the past ten years, has made it possible for people in this country to realize to an increasing extent the desire to own their homes. Home building has accounted for nearly one-half of building operations during the past year. It is not only a question of housing, but of more and better housing. A demand has grown for additional space, for modern conveniences, for room for gardens and space for children to play in safety. New houses have been and will be required to meet this demand.

"In the home building program, the automobile has played a large part, having made possible the acquisition of better homes in locations away from congested centres. The building program has been accomplished by need for new roads, more miles of street car tracks, more motor buses, more railroad cars loaded with manufactured goods.

"All of these activities have given a background to general prosperity and have had a stabilizing effect on industry. The conditions are of such a fundamental nature that building activity with its accompanying demand for steel products and other manufactured goods of all kinds should continue for some years to come."

Bethlehem's employee housing activities have developed into a general plan which is in operation, with certain modifications, at the company's major plants. It is administered by a real estate organization at each of these plants and includes among its activities the improvement of existing houses owned by the company, the construction of new houses at plants where housing was inadequate or where other conditions made such housing necessary, and aid to employees in the purchase or erection of homes.

Several of the distinctive and unusual

phases of Bethlehem home building plans are:

(a) Free architectural, engineering, financial and legal assistance and advice.

(b) Employee receives full title to property at once. He is under no obligation to the company and can work where he pleases and dispose of his property as he wills, as long as his monthly payments are maintained.

(c) A life insurance policy at low rates (about one-third of the usual premium) without any medical examination, is taken out on each home builder or purchaser, during the term of his indebtedness, fully protecting his dependents as far as their home is concerned, in the event of his death.

(d) Proper provision is made for paying off the mortgage indebtedness through monthly payments which are a little higher than local rents.

While the company has given encouragement in every way to home ownership on the part of employees, its work has been directed towards helping the employee to provide for himself and not in tying up any considerable amount of its own money in assisting employees to own their own homes.

Local financial institutions co-operate with the company to furnish money on first mortgages. The company then need only advance the difference between such mortgage and the initial cash payment of the employee. Usual rates of interest are charged and the employee of course, pays the same title examination fees, recording fees and carrying charges, such as insurance, taxes, etc., as he would have to pay if he built and financed his own home.

Bethlehem's management believes that home ownership makes for better, happier and more settled citizens and employees, and as a result both the home and the company are benefitted.

There is not a business one can think of, which is not full of little temples where one can curse or pray. Every business that one knows has its host of light in it, fighting against its host of darkness; one set of men conducting the business as if they and the public were engaged in a sort of mutual enthusiasm and daily service, with permanent success as the goal; and another set of men whose success is ruining the business to which they belong, and the public besides—and themselves.

The man who doesn't advertise because he can't afford to "do it right" will never reach a position of affluence because everything worth while in the world had to have a beginning, and there can be no "get there" for the fellow who fails to make a start.

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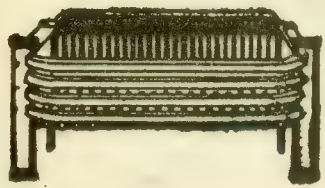
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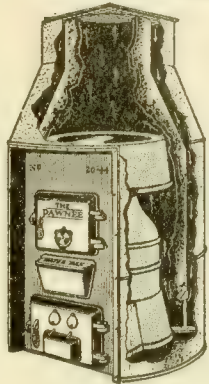
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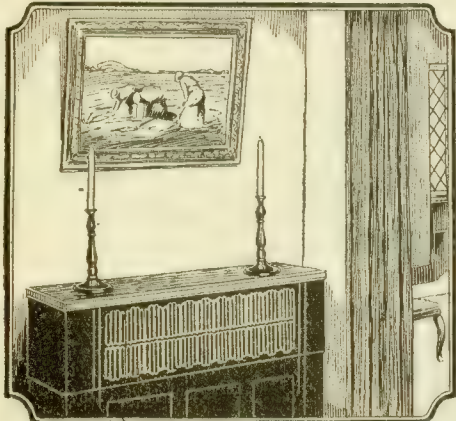
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BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XL, No. 35
September 2, 1925

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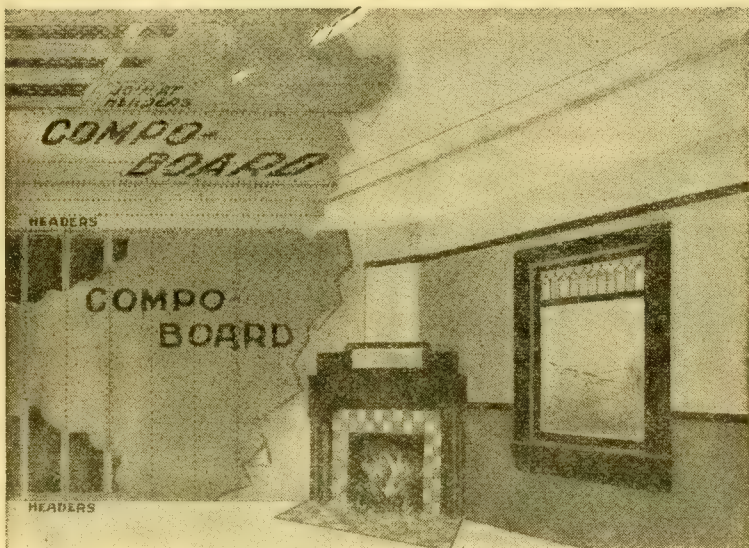
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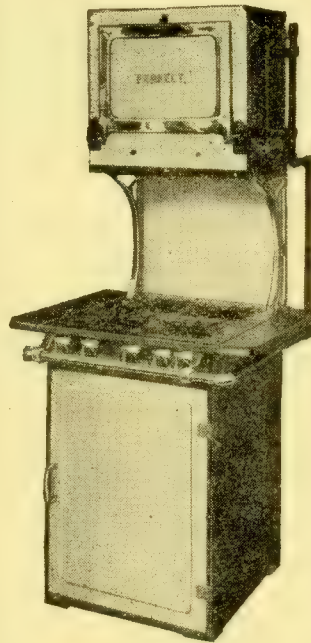
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural

VOLUME XL

Number 35

Engineering and the Building Trades

PHILADELPHIA

September 2, 1925

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PUBLISHED WEEKLY

BY

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS;

CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Baptist Home, Roosevelt Boulevard, near Pennypack circle, Bensalem Avenue and Hoffnagle Street, Philadelphia. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owner, The Baptist Home of Philadelphia, 16th and Norris Streets, Philadelphia. Brick, limestone, granite, cut stone, steel, 5 stories and basement, 187x141 feet, tile roof, cement and oak floors, hollow tile, elevators, roof ventilators, metal weather-strip, dampproofing, terra cotta, ornamental iron work, iron stairs, floor hardener, bond, kalamein and hollow metal doors, rolled steel sash, tile, marble and terrazzo work, metal lath, stem heat, electric light, plumbing, caulking, dumbwaiter, painting and glazing, sound insulation, steel partitions, membrane and integral waterproofing, granite, limestone, Byers or Reading wrought iron pipe. Architect taking bids due Sept. 14th.

Bridge over Luzerne Street at Second St., Philadelphia. Owner, Department of Public Work, Bureau of Engineering, 216 City Hall. Owner taking bids due Sept. 9th at 11 A. M. (S. T.) Certified check 5% must accompany each bid. Inquire at Room 416 City Hall.

Residences (30) East side Cornelius Street, south of Walnut Lane to Homer street, Phila. \$136,000. Architect, private plans. Owner, John E. Spitz, 253 South 15th St., Philadelphia. Brick, 2 stories, 16x35 feet, hot water heat, electric light, slag roof. Owner will build.

Improvement of Cedar Park, Forty-ninth and Baltimore Avenue, Philadelphia. City Architect, John Molitor, Bankers' Trust Building, Philadelphia. Owner, Department of Public Works, Bureau of City Property, Philadelphia. Bond, concrete and cement work, iron fences, carpentry and millwork, hardware, asbestos shingle roof, New Guards House, brick, 1 story, 9x9 feet. Owner tak-

ing bids due September 8th at 11 A. M. (S. T.)

Residence, 5322 James Street, Philadelphia. Architect, Lachman and Murphy, Drexel Building, Philadelphia. Owner, Wm. Loerckel, 5320 James Street, Philadelphia. Brick, 2 stories, 16x50 feet, slag roof, hardwood floors, heating undecided, electric light. Plans completed.

Miscellaneous Work, Philadelphia. Owner, Department of Public Work, Bureau of City Property. Owner taking bids due September 8th, 11 A. M. (S. T.) Test borings, on site of City Hall annex, Juniper and Filbert Streets, improvement of Powers' Park, Almond, Ann and Mercer Street, by construction of granite curbing. Certified check 5% of amount of bid. Inquire Room 117.

Miscellaneous Work, Philadelphia. Owner, Department of Public Works, Bureau of Water, 216 City Hall. Owner taking bids due Sept. 8th at 11 A. M. (S. T.) Furnish and lay 36 inch water main in Cheltenham Avenue from Oak Lane reservoir to 11th Street; Furnish, deliver and erect a stiff leg derrick on roof of Torresdale Preliminary Filters; Furnish and lay railroad siding at Torresdale Filters; Furnish and deliver Filter sand and gravel at Torresdale filter; Furnish and deliver 3 and 4 inch Gate Valves.

Store Apartment and Office (alts. and add.) 5445 Germantown Avenue. Architect, Wm. F. B. Koelle, Otis Building, Philadelphia. Brick, 3 stories, general alterations and additions. Sketches drawn, two early for details.

Residence, Sedgwick street, West of Wayne avenue, Philadelphia. Owner, K. J. Lundelius, 140 West Mount Pleasant street, Philadelphia. Sketches drawn by owner. Work contemplated. Details undecided.

Dyeing and Cleaning Plant, Southeast Corner Heiskill and Magnolia. Architects, The

Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, T. Herzog Co., on premises. Brick, reinforced concrete, steel, 1 story, 171x110 feet, wing 132x147 feet, slag roof, cement and oak floors, hollow tile, safety treads, roof ventilators, architectural terra cotta, ornamental iron work, floor hardener, bond, fire doors, sheet metal skylights, rolled steel sash, metal lath, tile and marble, rolled steel shutters, safety treads, steel partitions, linoleum floors, hardware, granite, limestone. Revised plans in progress.

Church, Twelfth and Melon streets, Philadelphia. Architect, C. Willis Gilmore, 2629 North Broad street, Philadelphia. Owners, Zoar Methodist Episcopal Church, Rev. W. H. Barnes, President of Board of Trustees, 1315 North Fifteenth street, Philadelphia. Sketches drawn. Preliminary plans in progress. Too early for details.

Nurses' Home, Huntingdon, between Front and A streets, Philadelphia. Architects, Stewartson & Page, 315 South Fifteenth street, Philadelphia. Owners, Episcopal Hospital, C. J. Gill, secretary, on premises. Brick, stone, steel, concrete, 4 stories, 35x52 feet. Plans in progress.

Factory (restoration), Fifty-second and Gray's avenue, Philadelphia. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, M. F. Wilfong Iron Works, on premises. Brick, steel, concrete, general fire restoration. Plans about completed. Architects will be ready for bids in ten days.

Residence Development, Haverford avenue and City Line, Philadelphia. Owner, Daniel E. Hogan, 6044 Columbia avenue, Philadelphia. Stone, hollow tile and stucco, brick, single and twin houses. Owner will build first fifty in spring of 1926. Approximately 800 residences to be built.

Residence, South side Sedgwick, West of Wayne avenue, Germantown. Architect, Ger-

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ald Byrnes, 26 Rex avenue, Chestnut Hill, Pa. Owner, W. B. Thomas, 5445 Germantown avenue, Philadelphia. Brick, stucco, 2½ stories, 34x34 feet, hot water or steam heat, electric light, tile roof, hardwood floors, tile work. Architect is taking sub-bids.

Apartment House, West side Broad, North of Cheltenham avenue, Philadelphia. Architect, E. A. Roth, Drexel Building, Philadelphia. Owner, care of architect. Brick, steel, 4 stories, 82x142 feet (32 apartments), vapor heat, electric light, tile and marble work, hollow metal skylights, fire and kalamein doors, ornamental iron work, slag roof, hardwood, tile and marble work, elevators. Architect ready for general bids in ten days.

Apartment House, Forty-first and Parkside avenue, Philadelphia. Architect, Arnold Mueller, 901 Walnut street, Philadelphia. Owner, Percy Levy, care of architect. Brick, cast stone, steel frames, slow burning, 4 stories, 53x92 feet (40 apartments), vapor heat, oil burning equipment, electric light, tile and marble work, slag roof, hardwood and composition floors, bronze work, hollow metal skylights, tile and marble work, fire tower, kalamein doors, iron work. Architect taking sub-bids due as soon as possible.

Garage, 4109-11 Viola street, Philadelphia. Architect, Arnold Mueller, 901 Walnut street, Philadelphia. Owner, Percy Levy, care of architect. Brick, 2 stories, 45x100 feet, slag roof, wood trusses, cement and plank floors, freight elevator, alternate for terra cotta, steam heat, electric light, rolled steel sash, hollow metal skylights, steel rolling doors. Architect taking sub-bids due as soon as possible.

Residence and Garage (alts. and add.), 4703 Kingessing avenue, Philadelphia. Architect, W. H. Cookman, Broad Street Station, Philadelphia. Owner, name withheld. Brick, stucco, steel, cut stone, 3 stories, 46x35 feet (electric, plumbing and heating reserved), slag roof, cement, composition, oak and pine floors, metal lath, kalamein doors, cement work, carpentry and mill work, plastering, painting and glazing, hardware. Architect taking bids due September 4th at noon.

Building (alts.), 1220-24 Sansom street, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Title Company of Philadelphia, on premises. Brick, hollow tile, cut stone, reinforced concrete, kalamein doors, hollow metal doors, steel sash, steel and iron work, ornamental bronze, metal lath, plastering, marble and terrazzo work, painting and glazing, plumbing, hardware, Byers or Reading wrought iron pipe. Architects taking bids due September 8th.

Restaurant and Office Building, Northwest Corner Sixteenth and Chestnut streets, Philadelphia. Architect, Ralph B. Benckert, 1418 Walnut street, Philadelphia. Owners, Horn & Hardart Baking Co., 214 South Tenth street, Philadelphia. Brick, reinforced concrete, steel, limestone, granite, 8 stories and 2 basements, 153x42 feet, slag roof, cement floors, elevators, roof ventilators, metal ceilings, shoring, dampproofing, architectural terra cotta, ornamental iron work, iron stairs, metal bonds, tin clad and hollow metal doors, copper skylights, rolled steel sash, tile, marble and terrazzo work, metal lath, caulking, metal toilet partitions, membrane waterproofing, ornamental plaster, bronze work (decorative painting, leaded glass, mosaic work, carved stone figures, mural painting, electric sign reserved). Architect taking bids due September 8th.

Alterations to First Floor and Basement, 1101 Chestnut street, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Girard Estate, on premises. Carpentry and mill work, painting and glazing, structural steel, marble work. Architect taking bids due as soon as possible.

Supplies, Navy Yard, Philadelphia. Owners, Bureau of Supplies and Accounts, Navy Department, Washington, D. C. Owners taking bids due September 8th, 10 A. M., for delivery of electric wire and cable, steel and phosphor bronze wire rope, seizing strand, sounding wire, tachometers, spruce, white oak and yellow pine, white ash, cold water paint, Venetian red, to Navy Yard, Philadelphia. Apply for proposal to Supply Office of Navy Yard, Philadelphia.

Residences (76), Thirty-first and Thirty-second and Tasker, Dickinson and Napa streets, Philadelphia, \$285,600. Owners, Neiman & Pogach, 1814 South Nineteenth street, Philadelphia. Brick, 2 stories, 15x52 feet, 16x37 feet and 15x37 feet, slag roof, pine floors, hot water heat, electric light. Owners will build.

Office and Storage, 5102 Lancaster avenue, Philadelphia, \$15,000. Owners, Jacob Myers & Sons Co., 5100 Lancaster avenue, Philadelphia. Brick, 3 stories, 34x46 feet, slag roof, electric lighting. Owners will build.

Moving Picture Theatre, 1028-32 Fairmount avenue, Philadelphia, \$10,000. Architect, private plans. Owner, M. Milgram, 2216 South street, Philadelphia. Brick, 1 story, 50x86 feet, slag roof, electric lighting, steam heating. Owner will build.

Residence, South side Medary avenue, East of Twelfth street, \$10,000. Architect, private plans. Owner, John Lotz, 6316 North Thirteenth street, Philadelphia. Stone, brick, 3 stories, 27x37 feet 6 inches, hot water heat, electric light, hardwood and pine floors. Owner will build.

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Garage (add.), 238 South Alder street, Philadelphia, \$3,800. Architect, private plans. Owner, William Mundy, 226 South Warnock street, Philadelphia. Brick, 2 stories add., 14x45 feet, slag roof, cement floors, electric lighting. Owner will build.

Garage, North side Wingohocking street, East of "N" street, \$3,000. Architect, private plans. Owner, David Duffin, 5101 Roosevelt Boulevard, Philadelphia. Stone, 1 story, 98x48 feet, cement floors, electric work. Owner will build.

New Section of Art Museum, Fairmount Park, Philadelphia. Architects, Borie, Trumbauer & Zantinger, 1406 City Hall, Philadelphia. Owners, Fairmount Park Commission, T. C. Martin, 127 City Hall. Low bidders: George A. Fuller Co., Morris Building, Philadelphia: 1, \$2,798,510; A, \$595,000; B, \$1,113,325. F. W. Mark Const. Co., Commercial Trust Building, Philadelphia: 1, \$3, 221,755; A, \$712,300; B, \$963,656.

Grading and Building Storm Water Channel for Lagoon in Gladway, Philadelphia. Owners, Philadelphia Exposition Commission, Fifth and Chestnut streets, Philadelphia. Low bidders: Edward Fay & Son, 2 South Mole street, \$334,720, \$312,310; Stange Const. Co., Bellevue-Stratford Hotel, \$413,540, \$365,360.

Residences (8), Ann, Belgrade and Livingstone streets, Philadelphia, \$38,500. Architect, private plans. Owners, Gellman & Miller, 883 North Holly street, Philadelphia. Brick, 2 stories, 15x36 feet and 15x42 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Residences (3), Sixty-eighth and Cobb's Creek Parkway, Philadelphia, \$27,500. Architect, private plans. Owner, Henry Swartz, 5026 Kingsessing avenue, Philadelphia. Brick, 2 stories, 32x20 feet, 16x22 feet, 16x52 feet and 28x19 feet, 15x18 feet, hot water heat, electric light, hardwood and pine floors. Owner will build.

Building (alts.), 711 South Broad street, Philadelphia, \$25,000. Engineers, Stofflet & Tillotson, Wesley Building, Philadelphia. Owners, Keystone Amusement Co., on premises. General alterations. Engineers will build.

Residences (6), South side Van Kirk street, West of Torresdale avenue, \$4,500 each. Architect, private plans. Owners, Walsh Brothers, 5814 Torresdale avenue, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 38 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Owners will build.

Building (alts. and add.), 6007 Osage avenue, Philadelphia, \$4,000. Architect, private plans. Owners, Zankman Brothers, on premises. Brick, 1 story add., 16x18 feet, general alterations. Owners will build.

Residences (2), West side Jackson street, North of Magee street, \$4,000 each. Architect, private plans. Owner, Louis Laib, 6638 Torresdale avenue, Philadelphia. Brick, 2 sto-

ries, 16x38 feet, slag roof, pine floors, hot air heat, electric light. Owner will build.

Service Station, Northeast Corner Stenton and Mt. Airy avenues, \$2,500. Architect, private plans. Owners, Sun Oil Co., Finance Building, Philadelphia. Concrete block, 1 story, 10x18 feet, cement work, electric work. Owners will build.

Residences (2), South side Granite street, East of Torresdale avenue, \$3,800 each. Architect, private plans. Owner, James Mallon, 5117 Torresdale avenue, Philadelphia. Brick, 2 stories, 15x26 feet, 12x11 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residences (40), Louise and Middleton streets, Philadelphia \$184,000. Architect, private plans. Owner, Charles I. Spayd, 20 North Fiftieth street, Philadelphia. Brick, 2 stories, 16x41 feet and 16x30 feet, hot water heat, electric light, slag roof, hardwood and pine floors. Owner will build.

Residences (11), Store (1), Fifty-ninth, Oxford and Nassau streets, \$65,000. Architect, private plans. Owner, A. Wilson Ross, 5156 Haverford avenue, Philadelphia. Brick, 2 stories, 19x33 feet, 16x43 feet and 20x61 feet, slag roof, hardwood and pine floors, hot water heat. Owner will build.

Garage, West side Frankford avenue, South of Hartel street, \$8,000. Architect, private plans. Owner, G. Howard Mitchell, 3200 Decatur street, Philadelphia. Brick, 1 story, 51 feet 6 inches x 62 feet, slag roof, cement floors, electric light. Owner will build.

Residences (38), 600-34 and 601-39 East Nippon street, Philadelphia, \$342,000. Architect, Ralph F. Moss, 1164 East Price street, Philadelphia. Owner, J. Franklin Moss, 1164 East Price street, Philadelphia. Brick, 2 stories, 18 feet 10 inches x 35 feet 9 inches, 13 feet, 6 inches x 5 feet 3 inches, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (9), 1113-27 Bridge street, Philadelphia, \$46,600. Architect, private plans. Owner, J. T. Hartnett, 2329 North Thirty-third street, Philadelphia. Brick, 2 stories, (11) 16x42 feet, (8) 16x30 feet, 12 feet 6 inches x 12 feet, slag roof, hardwood and pine floors, electric work. Owner will build.

Ice Storage Station, 2322-24-26 Wallace street, Philadelphia, \$6,000. Owners, American Ice Co., 121 North Broad street, Philadelphia. Permit issued.

Shop, 6501 State road, Philadelphia, \$5,400. Architect, private plans. Owners, Dodge Steel Co., on premises. Brick, 1 story, 30x60 feet. Owners will build.

Residence (alts. and add.), 621 Pine street, Philadelphia. Architect, private plans. Owner, Morris Shapiro, 1155 South Ruby street, Philadelphia. Brick, 3 stories add., 12x12 feet, general alterations. Owner will build.

Residence, West side Central avenue, North of Hartel avenue, Philadelphia, \$5,500. Ar-

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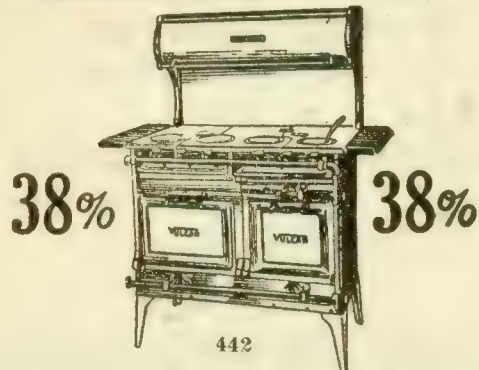
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chitect, private plans. Owner, John H. Betz, 6915 Rising Sun avenue, Philadelphia. Brick, 2 stories, 20x30 feet, 4x10 feet, hot water heat, electric light, hardwood and pine floors. Owner will build.

Residences (2), North side Bleigh street, East of Whitaker avenue, \$5,000 each. Architect, private plans. Owner, M. Glaser, 1100 Cottman street, Philadelphia. Frame, 1 story, 24x36 feet 6 inches, shingle roof, hardwood and pine floors, hot water heat, electric light. Owner will build.

Residences (6), West side Central avenue,

North of Hartel avenue, \$4,500 each. Architect, private plans. Owner, John H. Betz, 6915 Rising Sun avenue, Philadelphia. Brick, 2 stories, 16x43 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residences (2), South side Tinicum avenue, West of Ninetieth street, \$4,000 each. Architect, private plans. Owner, Daniel Kazmir, Ninety-first and Tinicum avenue, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, pine and hardwood floors, hot air heat, electric light. Owner will build.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence (alts. and add.), 3141 N. 22nd St., Philadelphia. Architect, private plans. Owner, Dr. Lachenmyer, on premises. Brick, 2 stories, 16x16 feet, 1 story, 4x16 feet, general alterations. Contract awarded to John H. Bott, 3129 N. 22nd St., Phila.

Office and Residence (alts. and add.), 1721 Pine street, Philadelphia. Architect, R. Brognard Okie, 308 S. Smedley Street, Philadelphia. Owner, Dr. G. M. Coates, 1811 Spruce Street, Philadelphia. Brick, 3 stories, 23x24 feet, heating and lighting alterations. slag and tin roof, hardwood floors. Contract awarded Builder Lawrence, care of Architect.

Warehouse, Cell Building, Coating and Drying Building, Second and Erie avenue, Philadelphia. Architects, Krepstein & Rathman, St. Louis, Mo. Owners, Certainteed Products Co., on premises. Brick, steel, 1-1-13 stories, 70x153 feet, 19x229 feet, 40x90 feet, slag roof, cement floors, electric light, rolled steel sash. Contract awarded Stofflet & Tiltonson, Wesley Building, Philadelphia.

Stable (alts. into Laundry Building), Forty-eighth and Ludlow streets, Philadelphia. Architect, William Lowenthal, 1208 Chestnut street, Philadelphia. Owners, Quaker City Laundry, on premises. Brick, steel, 2 stories and basement, 40x32 feet (heating and electric reserved), slag roof, cement and maple floors, plumbing, painting and glazing, hardware, shoring, terra cotta coping, ornamental iron work, bond, rolled steel sash, wrought iron pipe, composition floors. Contract awarded S. Reece, 1641 Thompson street, Philadelphia.

Studio and Apartment, 246 South Hicks street, Philadelphia. Architect, Thomas Edward Ash, 1012 Walnut street, Philadelphia.

Owner, C. L. Beck, 1736 Spring Garden street, Philadelphia. General alterations and additions. Contract awarded W. R. Graham, 3649 Gilbert street, Philadelphia.

Building (alts. and add.), Eighth and Callowhill streets, Philadelphia. Architect, F. T. Lewis, Indianapolis, Ind. Associate architect, S. B. Lewis, 1713 Sansom street, Philadelphia. Owners, Kingan Provision Co., on premises. Brick, steel, 3 stories and basement, 40x24 feet, slag roof, cement floors, rolled steel sash, ornamental iron work. Contract awarded to Barclay White Co., 1713 Sansom street, Philadelphia, who are taking sub-bids due as soon as possible.

Residence and Garage, Springbank street and Westview street, Germantown. Architect, Addison H. Savery, 1309 Locust street, Philadelphia. Owners, Mr. and Mrs. Phil J. Bauer, 1026 Westview street, Philadelphia. Stone, cut stone, tile and iron work, shingle roof, oak and pine floors, cut stone, metal lath, plastering, metal weather strip, membrane waterproofing, electric work, 2½ stories, 60x53 feet. Contract awarded I. A. Dunkelberger, 71 East Herman street, Philadelphia.

Bank Building (alts.), 2809 Germantown avenue, Philadelphia. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Mutual Trust Co., on premises. Travertine work, concrete, cement, stone, masonry, brick and hollow tile, cut stone, iron and steel, ornamental iron, carpentry and mill work, composition floors, plastering, hardware, plumbing, painting and glazing, marble work, terrazzo work, Duraflex floors. Contract awarded Farrell-Roth Const. Co., 123 South Twenty-first street, Philadelphia, who are taking sub-bids.

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New Garage, Kensington Markets, Morris street, Philadelphia. Architects, Construction Department, Swift Co., Boston, Mass. Owners, Swift Co., Boston, Mass. Brick, steel, 2 stories and basement, 101x18 feet, slag roof, cement floors, rolled steel sash, ornamental iron work, rolled steel shutters. Contract awarded Barclay-White Co., 1713 Sansom street, Philadelphia.

New House of Correction, Holmesburg, Pa. Architect, P. H. Johnson, 1713 Sansom street, Philadelphia. Owners, Department of Public Welfare, Bureau of Charities and Correction. Contract awarded H. E. Baton, 1713 Sansom street, \$691,700. Heating, W. M. Anderson, 600 Schuylkill avenue, Philadelphia, \$113,097. Plumbing, J. Borden & Bro., 637 North Nineteenth street, Philadelphia, \$64,537. Electric, W. V. Pangborne, 1927 West Montgomery avenue, \$21,895. Oil burner, S. T. Johnson, Northeast Corner Twentieth and Wood streets, \$8,874.50.

Residence (alts. into Apartments), Southwest Corner Sixteenth and Mt. Vernon streets. Architect, private plans. Owners, Broad Realty Co., 420 South Broad street, Philadelphia. Electric light, hot water heat, metal lath, tile work, door beds, oak floors, carpentry and mill work, plastering, ornamental iron work, cement brick work, painting and glazing. Contract awarded A. S. Shafer, 4651 Walnut street, Philadelphia.

Office Building, Sydenham and Walnut streets, Philadelphia. Associate architects and engineers, Heacock & Hokanson, 1211 Chestnut street; The Ballinger Co., Twelfth and Chestnut Sts., Philadelphia. Owners, Mutual Trust Co., 4th & Market Sts., Phila. Contract on structural steel to Belmont Iron Works, Twenty-second and Washington avenue, Philadelphia.

Residences (8), Store (1), Sixth, Cayuga, Marshall and Fairhill streets, \$40,500. Architect, private plans. Owner, Harry Gelsman, 332 Roosevelt Boulevard, Philadelphia. Brick, 2 stories, various sizes, slag roof, pine and hardwood floors, electric light. Contract awarded to Elive & Oliverri, 332 Roosevelt Boulevard.

Restaurant and Office Building, 3720-22 North Broad street, Philadelphia. Architect, I. Demshick, 1701 Chestnut street, Philadelphia. Owners, Linton Lunch, 655 North Broad street, Philadelphia. Limestone, brick, steel, 2 stories and basement, 36x103 feet, slag roof, cement, pine and tile floors, steam heat, electric light. Contract awarded Kober Const. Co., 34 South Seventeenth street, Philadelphia, who is taking sub-bids.

Building (add.), 3434-36 Market street, Philadelphia, \$30,000. Owners, Hurlock Brothers, 3436 Market street, Philadelphia. Brick, 4 stories, 42x26 feet, steam heat, electric light, slag roof. Contract awarded to Frank G. English, 1610 North Carlisle street.

Buildings (2), 2040-42 South Ninth street, Philadelphia, \$7,000 total. Architect, private plans. Owner, William Cherry, 1108 Lincoln Building, Philadelphia. General alterations. Contract awarded to R. Glashofer, 529 Morris street, Philadelphia.

Building (alts. and add.), 1607-11 Moravian street, \$5,000. Architect, private plans. Owner, H. C. Hollinger, 1429 Walnut street, Philadelphia. Brick, 1 story, 13x12 feet, general alterations. Contract awarded to William S. Gore, Sixty-second and Media streets, Philadelphia.

Warehouse (add. and alts.), 836 Carpenter street, Philadelphia, \$3,700. Architect, private plans. Owner, C. N. Monticelli, 902 Carpenter street, Philadelphia. Brick, second story add., 18x56 feet, general alterations. Contract awarded to Joseph Curcillo, 2002 South Twelfth street, Philadelphia.

Residence (add.), 7817 St. Martin's lane, Philadelphia, \$4,000. Architect, private plans. Owner, Robert Whitmer, Jr., on premises. Stone, 3 stories add., 20x14 feet, hardwood

and pine floors, electric lighting. Contract awarded to James Riley & Son, Forrest avenue, Mt. Airy.

Store and Residence (alts.), 7225 Woodland avenue, Philadelphia, \$2,500. Architect, private plans. Owner, Harry Katlikoff, 7225 Woodland avenue, Philadelphia. General alterations. Contract awarded to B. Bennett, 948 North Sixty-sixth street, Philadelphia.

Store and Residence (alts.), 2235 North Front street, Philadelphia, \$2,000. Architect, private plans. Owner, Yetta Goldstein, 1949 North Eighth street, Philadelphia. General alterations. Contract awarded to J. Anslander, 1406 Germantown avenue, Philadelphia.

Store, Southeast Corner Hope and Dauphin streets, Philadelphia, \$8,000. Architect, private plans. Owner, Simon Girsh, 3906 Girard avenue, Philadelphia. Brick, 2 stories, 40x40 feet, slag roof, pine floors, steam heat, electric light. Contract awarded to H. M. Shandles, 617 Pine street, Philadelphia.

Residence, West side Second street, South of Sixty-sixth avenue, Philadelphia, \$6,100. Architect, private plans. Owner, Otten Cittel, 3209 North Randolph street, Philadelphia. Brick, 3 stories, 29x28 feet, slag roof, pine floors, electric work. Contract awarded to Rocco Dalessandro, 2968 North Taylor street.

Residence (alts.), 5321 Baynton street, Philadelphia, \$3,000. Owners, M. E. and A. M. Leeds, 5321 Baynton street, Philadelphia. General alterations. Contract awarded to I. A. Dunkelberger, 71 Herman street, Philadelphia.

Building (alts. and add.), 4462 Germantown avenue, Philadelphia, \$3,000. Architect, private plans. Owners, R. R. Lamb Estate, 2748 North Twelfth street, Philadelphia. Brick, 1 story, 4x14 feet, 1 story, 13x11 feet, general alterations. Contract awarded to Kline & Co., 2528 North Broad street, Philadelphia.

Store and Residence (add.), 2130 East Chelton avenue, Philadelphia, \$2,500. Architect, private plans. Owner, John Steffan, on premises. Brick, 1 story add., 20x12 feet. Contract awarded to H. R. Johnston, 2322 North Colorado street, Philadelphia.

Fire Wall, North side Morris street, West of Delaware River, \$15,000. Architect, private plans. Owners, W. J. McCahan Sugar Co., on premises. Brick. Contract awarded to William G. Uhler & Son, Twenty-fifth and Snyder avenue.

Building (alts.), Southwest Corner Broad and Locust streets, \$10,000. Architect, private plans. Owners, American Academy of Music, Broad and Locust streets. General alterations. Contract awarded to F. L. Hoover & Sons, 1023 Cherry street, Philadelphia.

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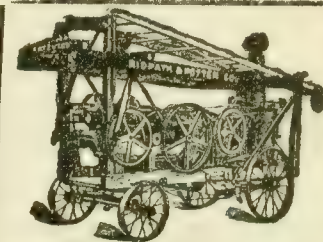
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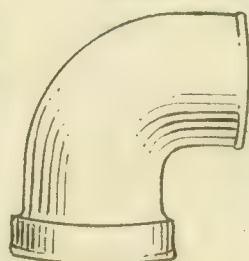
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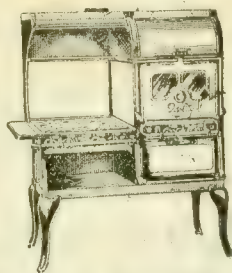
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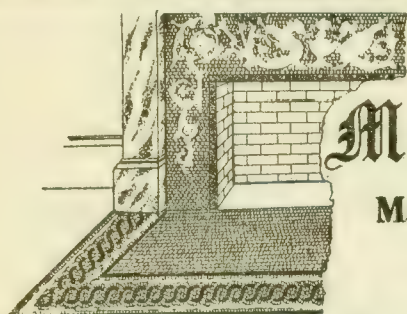


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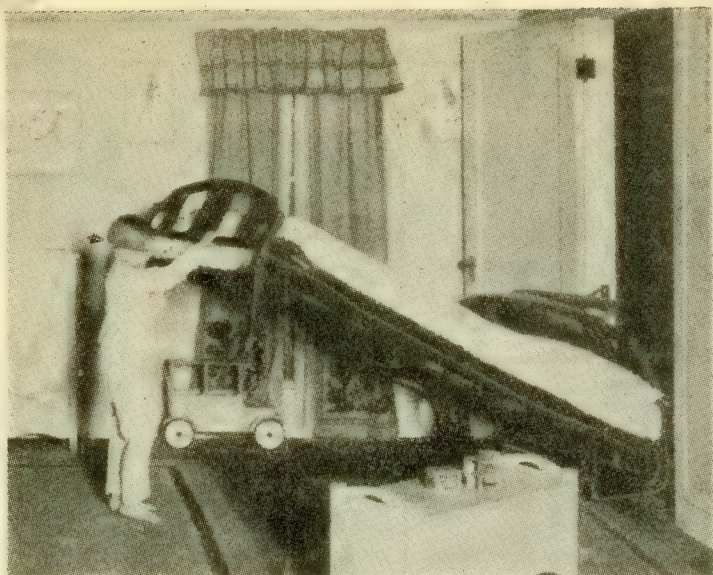
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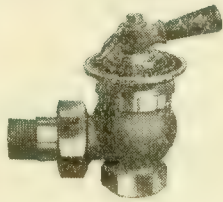
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street, Philadelphia, \$12,800. Architect, private plans. Owners, Bettle & Stradel, on premises. Brick, second story add., 88x43 feet 7 inches. Contract awarded to A. C. Bauman, 7101 Theodore street, Philadelphia.

Residence, Southwest Corner Thirteenth and Catherine street, Philadelphia, \$8,500. Architect, private plans. Owner, H. Backman, 316 Real Estate Trust Building, Philadelphia. Brick, 3 stories, 18x45 feet 6 inches, slag roof, pine and hardwood floors, hot water heat, electric light. Contract awarded to N. Rozensky, 520 Dickinson street, Philadelphia.

Retaining Wall, Northeast Corner Bustleton road and Cheltenham mavenue, \$8,000. Owners, Friends' Meeting, Franklin S. Hill, Church and Tacony streets, Philadelphia. Stone, 280 feet long. Contract awarded to N. Canoe, 4847 North Broad street, Philadelphia.

Residence, West side Arthur street, West of Castor road, \$4,800. Architect, private plans. Owner, Harry Stretch, 2508 North Marston street, Philadelphia. Brick, 2 stories, 27x24 feet, slag roof, hardwood and pine floors. Contract awarded to Frank Johnson, Jr., Telford, Pa.

Residences (2), West side Edgemont street, South of Ontario street, \$4,500 each. Architect, private plans. Owner, F. Jaskowski, 3380 Salmon street, Philadelphia. Brick, 2 stories, 16x33 feet, 13x24 feet, hot water heat, electric light, slag roof, hardwood and pine floors. Contract awarded to J. Najazanski, 3168 Richmond street, Philadelphia.

Store Building (alts.), 3633 Germantown avenue, Philadelphia, \$3,500. Architect, William H. Lee, Schaff Building, Philadelphia. Owner, Theodore Marquetand, on premises. Brick, bronze, carpentry, mill work, electric work, metal bulks, painting, glazing, hardware, marble work, plastering, iron work. Contract awarded to J. Y. Loux, Fifteenth and Hunting Park avenue, Philadelphia.

Garage, 762 North Brooklyn street, Philadelphia, \$3,000. Owner, Frank S. Patten, 869 North Forty-fourth street, Philadelphia. Brick, 1 story, 45x18 feet, 29x14 feet, slag roof, cement floors. Contract awarded to J. H. Snell, 5130 Race street, Philadelphia.

Miscellaneous Work, Philadelphia. Wingo-hocking Sewer, McAllister avenue, contract awarded McLean Const. Co., Baltimore, Md., \$505,965. Colgate, Wakeling to Coney, awarded to Pacifico Ventrisko, 6325 Chew street, \$63,930.90.

Store and Residence (alts.), 645 North Thirty-fourth street, Philadelphia, \$7,500. Architect, private plans. Owner, Louis Feldman, Bankers' Trust Building, Philadelphia. General alterations. Contract awarded to R. Glas-hofer, 529 Morris street, Philadelphia.

Residence, West side Fairview avenue, North of Rhaun street, Philadelphia, \$4,500. Architect, private plans. Owner, John Hughes, 2930 Emerald street, Philadelphia. Brick, 2 stories, 16x47 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to F. J. Blankenhorn, 8059 Rowland street, Philadelphia.

Residence, West side Montour street, South of St. Vincent street, \$4,000. Architect, private plans. Owner, George Burke, 3051 Tulip street, Philadelphia. Frame, 2 stories, 24x36 feet, shingle roof, hot water heat, electric light. Contract awarded to Warren Smith, 8130 Hennig street, Philadelphia.

Store and Residence (alts. and add.), 4345 Leiper street, \$3,500. Owner, B. Seomencine, on premises. Brick, 2 stories add., 16x4 feet,

general alterations. Contract awarded to A. Batty, 4365 Leiper street, Philadelphia.

Store (alts.), 3457-59 Woodland avenue, \$3,200. Architect, private plans. Owner, Frank Ziehs, on premises. General alterations. Contract awarded to Basch & Co., Ruan and Tackawanna streets.

Garage and Office, 5601 Baynton street, Philadelphia, \$2,800. Architect, private plans. Owner, Dr. W. R. Kenny, on premises. Stone and brick, 2 stories, 30x19 feet, pine and cement floors. Contract awarded to George E. Alexander, 5536 Newhall street, Philadelphia.

Residence (add.), 2135 South Seventh street, Philadelphia, \$2,200. Architect, private plans. Owner, L. Lefker, on premises. Brick, 1 story add., 4x24 feet, slag roof, pine floors. Contract awarded to S. Singer, 615 East Moyamensing avenue.

Pennsylvania Construction News

Residence and Garage, Rose Valley, Pa. Architect, G. Harold Murphy, Drexel Building, Philadelphia. Architect taking bids due Sept. 8th.

Residence, Nazareth, Pa. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owner, David Koch, Nazareth, Pa. Brick, 2 stories, 24x30 feet, slate roof, hardwood floors, hot water heat, electric light. Plans in progress.

Almshouse, Wescoesville, Pa. Architect, David Levy, 949 Hamilton street, Allentown, Pa. Owners, Lehigh County, Mr. Seiger, Court House, Allentown, Pa. Will be ready for revised bids in two weeks.

Church, Cheltenham, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Cheltenham Ave. Baptist Church, Cheltenham, Pa. Revised plans in progress.

Bridge (reconstruction), over Cobb's Creek on Baltimore avenue at Philadelphia and Delaware County Line. Owners, Philadelphia County City Hall and Delaware County, Media, Pa. Work contemplated.

Residence, Prospect avenue, Bethlehem, Pa. Architects, H. Rex Stackhouse and W. W. Donohue, 1120 Locust street, Philadelphia. Owner, Leslie K. Kift, Allentown, Pa. Brick, stone, 2½ stories, 35x115 feet, hot water heat, electric light, tile work, slate roof, hardwood floors. Plans about completed. Architect will be ready for bids in one week.

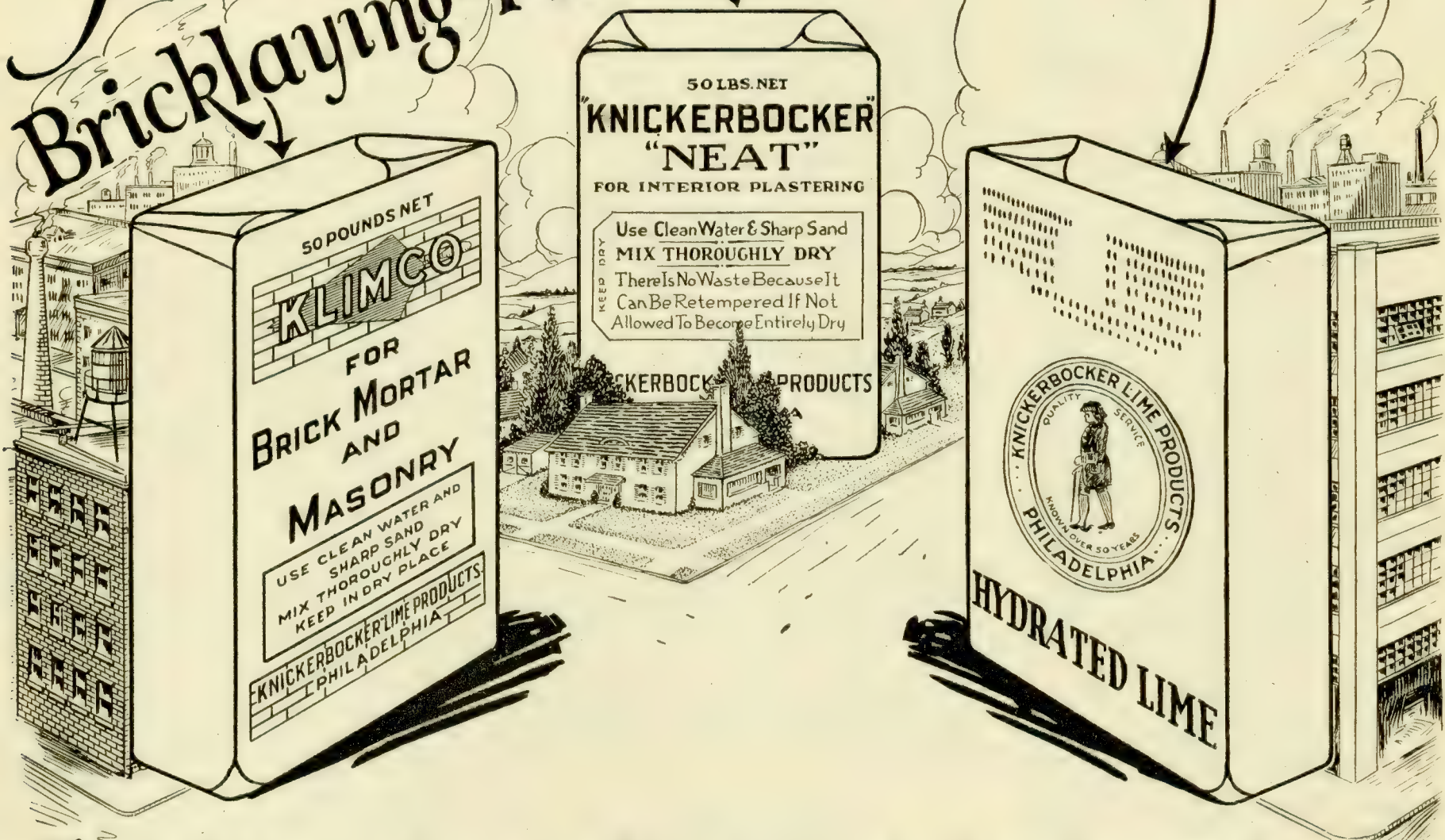
High School, Williamsport, Pa. Architects, Guilbert & Betelle, Chamber of Commerce Building, Newark, N. J. Owners, Board of Education, Williamsport, Pa. Brick, steel, frame, 3 stories, 100x260 feet approximately, fireproof (heating, plumbing and electric work separate bids). Plans will be ready for bids in about a month.

Stores (4), Fourth and Hamilton streets, Allentown, Pa. Architect, David Levy, 949 Hamilton street, Allentown, Pa. Owner, Michael Kauffman, care of architect. Brick, 1 story, 67x65 feet, slag roof, pine floors, steam heat, electric light, tile and marble, plate glass. Architect taking sub-bids.

Abattoir (add.), South Main street, Shenandoah, Pa. Architects and engineers, Packers' Engineering Architectural Co., 431 South Dearborn street, Chicago, Ill. Owners, Shenandoah Abattoir Co., Andrew Melusky, president, South Main street, Shenandoah, Pa. Brick and concrete, 4 stories, 30x150 feet. Architects will build.

Colonial Residence (alts.), Lower Merion, Montgomery County, Pa. Architects, Norman Hulme and John J. Dull, 1524 Chestnut street, Philadelphia. Owner, E. E. Cullen, Jr., 1524 Chestnut street, Philadelphia. Brick, 2 stories and basement, 19x15 feet, copper roof, brick work, iron work, carpentry and mill work, plastering, painting, glazing, hardware, electric work, oak and pine floors (heating

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reserved). Owner will build and is sub-letting.

Nave (add.), Cynwyd, Pa. Architects, Zant-zinger, Borie & Medary, Otis Building, Philadelphia. Owner, St. John's Lower Merion church. Changes in mill work, roofing, concrete, stone, brick, limestone, cut stone, 1 story, 58x36 feet, steam heat, electric light and fixtures, metal lath, variegated slate roof, oak floors, painting and glazing, hardware, bond, artificial stone, Byers or Reading wrought iron pipe, Duraflex floors. Architects taking revised bids due September 3rd at noon.

Residence and Garage, Swarthmore, Pa. Architect, J. Linerd Conarroe, 225 South Sydenham street, Philadelphia. Owner, name withheld. Hollow tile, frame, stucco, 2½ stories, 39x28 feet, 24x21 feet, irregular, hot water heat, electric light, marble work, shingle roof, hardwood and cement floors. Architect taking bids due September 8th.

Residences (2), Bryn Mawr, Pa. Architect, private plans. Owners, Dolman & Co., Liberty Building, Philadelphia. Cinder concrete block, brick, stone, stucco, 2½ stories and basement, 37x25 feet, wing 24x19 feet (each), shingle roof, oak and pine floors, plumbing, vapor heat, electric light, bond, wrought iron pipe. Owners taking bids due September 11th.

Grandstand, York, Pa. Architect, Edward Leber, Hay Building, York, Pa. Owners, York County Agricultural Society, York, Pa. Reinforced concrete, brick, steel, 425x94 feet, composition, asbestos slate roof, plumbing, painting and glazing, electric light, metal lath, rolled steel sash, bond, ornamental iron work, steel toilet partitions. Owners, care of J. H. Miller, taking bids due September 11th.

Residence, Bellevue, Harrisburg, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owner, Albert Schmidt, 1608 Boas street, Harrisburg, Pa. Stone, stucco, 2½ stories, 43x31 feet, slate roof, hardwood floors, steam heat, electric light tile work. Architect taking bids.

Storm Water Sewer, Chester, Pa. Owners, City of Chester, P. Eyre Price, superintendent, Chester, Pa. Construct reinforced concrete pipe, approximately 310 lineal feet, 60 inches, in Ninth street. Certified check 50 per cent. of contract price, bond. Plans may be secured at office of City Engineer. Deposit, \$2, refunded. Owners taking bids due September, 2 P. M. (Standard Time). A copy of advertisement (newspaper) must accompany each bid.

Warehouse, Bethlehem, Pa. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owners, Bethlehem Plumbing Supply Co., Bethlehem, Pa. Low bidder: F. B. Glassmire, Bethlehem Trust Building, Bethlehem, Pa.

School, Butztown, Pa. Architect, E. H. Wenzelberger, 224 Northampton street, Easton, Pa. Owners, Bethlehem Township School Board, A. Arbogas, Easton, Pa. Lowest bidders: F. B. Glassmire, Bethlehem Trust Building, Bethlehem, Pa., \$33,000. Electric, Bethlehem Electric Co., 78 West Broad street, Bethlehem, Pa. Heating and plumbing, E. Stipe, 26 North Fourth street, Easton, Pa.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Low bidders:

Beaver County, A-1950-2089, Hopewell and Independence Townships, 16,200 feet. One course reinforced concrete. Jones Const. Co., Sycamore, Pa., \$154,853.98.

Westmoreland County, R-288, A-3404, Ros-traver Township, 9,200 feet. One course reinforced concrete. J. F. Patterson, trading as Donora Const. Co., Donora, Pa., \$79,511.75.

Venango County, R-75, A-3484, Richland Township, 20,764 feet. One course reinforced concrete. Standard Paving Const. Co., Chicago, Ill., \$163,703.38.

Westmoreland County, R-119, 68, Unity and Hempfield Townships, 21,153 feet. One course

reinforced concrete. Herrmann & Gass, Latrobe, Pa., \$224,897.25.

Susquehanna County, R-10, A-3453, Great Bent Township, 18,480 feet. One course reinforced concrete. Bryant & Kohl, Wilkes-Barre, Pa., \$161,624.40.

Montgomery County, A-2697, Hatfield Borough, 8,895 feet. One course reinforced concrete. Juniata Company, Empire Building, Philadelphia, \$57,450.39.

Berks County, A-3588, Spring and Cumru Townships, 10,689 feet. One course reinforced concrete. Michael Staub, Pitman, N. J., \$74,372.24.

Beaver County, A-278, A-3421, Green Township, Hockstown Borough, 8,965 feet. One course reinforced concrete. Wilson-Johnston Const. Co., Appleton, Wis., \$90,987.80.

Blair County, R-57, Tyrone Borough, Snyder Township, 4,658 feet. One course reinforced concrete. L. R. Mathieu & Sons, Altoona, Pa., \$63,327.62.

Beaver County, R-115, A-3353, Center and Potter Townships, 13,024 feet. One course reinforced concrete. J. C. Devine Co., Alliance, O., \$115,034.13.

Montgomery County, A-3368, R-155, Hatboro Borough, 9,224 feet. One course reinforced concrete. Union Paving Co., Empire Building, Philadelphia, \$81,932.61.

Erie County, R-271, A-3466, 3682, Union Township, Union City Borough, 16,261 feet. One course reinforced concrete. J. C. Devine Co., Alliance, Ohio, \$114,443.30.

Mifflin County, R-29, Derry Township, Lewistown Borough, 6,401 feet. One course reinforced concrete. J. B. Trexler, Lewistown, Pa., \$84,776.86.

Clarion County, R-214, A-3151, Monroe Borough, 8,485 feet. One course reinforced concrete. Joseph McCarty Const. Co., Kaukauna, Wis., \$61,062.62.

Pennsylvania Contracts Awarded

Bank, Northwest Corner Ninth and Main streets, Darby, Pa. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owners, Darby Bank, A. J. Gotshall, Darby, Pa. Stone, concrete and cement work, brick and hollow tile, structural steel, ornamental iron work, kalamein doors, carpentry and mill work, metal lath, plastering, marble and terrazzo work, painting and glazing, hardware, composition, plumbing, electric work. Contract awarded H. E. Grau Co., 1707 Sansom street, Philadelphia.

Building, Glenside, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Edwin M. Johnson, Glenside, Pa. Stone, brick, cut stone, stucco, 3 stories and basement, 105x64 feet, steam heat, electric light, metal lath, tile work, bond, black slate roof, pine floors, painting and glazing, plumbing, star roof ventilators, limestone, Murphy door beds, dumb waiters. Contract awarded to E. Allen Reeves, Abington, Pa.

School (alts. and add.), Lima, Pa. Architect, Newton Flounders, Media, Pa. Owners, School Board, Middle Township, Media, Pa. General construction, ventilating, heating, lighting. Contract awarded to Amrose Smedley, Lima, Pa. Heating and plumbing, Mr. Sowden, Chester, Pa. Electric, Walter Seaver, Media, Pa.

Masonic Temple (superstructure), Tamaqua, Pa. Architect, Benjamin Rush Stevens, 1827 Arch street, Philadelphia. Owners, Masonic Temple Association, Tamaqua, Pa. Brick, steel, 3 stories, 46x150 feet, composition roof, oak, pine and cement floors, vapor heat, electric light, metal lath, tile and marble work. Contract awarded Tamaqua Const. Co., Tamaqua, Pa.

Gertrude Kistler Memorial Library, Rosemont, Pa. Architects, Magaziner, Eberhard

& Harris, 603 Chestnut street, Philadelphia. Owners, Rosemont College, Rosemont, Pa. Stone, cast stone, brick, steel, granite, 1 story, mezzanine and basement, 60x28 feet, wing 23x29 feet, slag and variegated slate roof, cement and oak floors, hollow steel sash, bond, floor hardener, ornamental iron work, waterproofing, membrane. Contract awarded William R. Dougherty, 1610 Sansom street, Philadelphia.

Residence (alts. and add.), Paoli road, Radnor, Pa. Architect, Edmund B. Gilchrist, 1618 Latimer street, Philadelphia. Owner, Franklin Baker, Jr., on premises. Hot water heat, electric light, metal lath, shingle roof, oak floors, plastering, carpentry and mill work, painting and glazing, plumbing. Contract awarded J. S. Cornell & Son, 1528 Cherry street, Philadelphia.

High School, Duryea, Pa. Architect, T. J. Miller, Brooks Building, Scranton, Pa. Owners, Duryea School District, P. Taule, secretary, Duryea, Pa. Brick, steel, semi-fireproof, 2 stories and basement, 125x150 feet, slag roof (heating, plumbing and electric separate bids). Contract awarded to Alaimo Brothers, Pittston, Pa. Heating and ventilating awarded to H. N. Gardner, Scranton, Pa. Plumbing awarded to Druffner & Son, Avoca, Pa. Electrical awarded to Hartman Electrical Co., Scranton, Pa.

Residence, Wynnewood, Pa. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owner, Dr. B. P. Widmann, Wynnewood, Pa. Stone, 2½ stories, 28x38 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to John Maher, Trenton, N. J.

Garage (add.), Residence (add.), Wynnewood, Pa. Architects, McIlvaine & Roberts, Otis Building, Philadelphia. Owner, H. G. Pearce, on premises. Stone, brick, plaster, 1½ stories, 16x14 feet, 1 story (residence), 28x19 feet, slag and shingle roof, cement, oak floors, plumbing, hot water heat, electric light, metal lath, tile work, bond, flagstone. Contract awarded to S. A. Sins, 2315 Walnut street, Philadelphia.

Apartment House, 26 West Seventh street, Chester, Pa. Architect, Jesse T. Hoekstra, 1713 Sansom street, Philadelphia. Owner, Alan P. Musselman, 712 Fulton street, Chester, Pa. Brick, cut stone, concrete, steel, 3 stories and basement, 119x45 feet, slag roof, oak and composition floors, hollow tile, metal ceilings, metal lath, tile work, metal cover sash, hollow metal skylights, kalamein and hollow metal doors, ornamental iron work, flagstone or bluestone. The following items are reserved: Refrigerations, heating, electric, oil burning equipment, folding beds, kitchen cabinets, gas ranges, wall safes, medicine cabinets, finished hardware, elevator work, composition floors in kitchen. Contract awarded Farrell-Roth Const. Co., 123 South Twenty-first street, Philadelphia, who are taking sub-bids.

Central Office Building (alts.), Northeast Corner Tame and Ward streets, Ridley Park, Pa. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., Seventeenth and Parkway, Philadelphia. Stone, brick, steel, 1 story, 35x30 feet, slag roof, cement and composition floors, plumbing, hot water heat, electric light, metal lath, ornamental iron work, wrought iron pipe. Contract awarded F. W. Van Loon, Perry Building, Philadelphia.

Shop Buildings (2), Elizabethtown, Pa. Architect, Edgar A. Wightman, Bankers' Trust Building, Philadelphia. Owners, Thomas Rankin Patton Memorial, Elizabethtown, Pa. Brick, cut stone, steel, 2 stories and basement, 211x43 feet 2 inches wing, built-up asbestos roof, cement and pine floors, plumbing, steam heat, electric light, rolled steel sash, bond, ornamental iron work, limestone, metal lath, rolled steel sash, bond, metal partitions. Con-

tract awarded Curtis Grindrod Co., 10 South Eighteenth street, Philadelphia.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Bradford and Sullivan Counties, R-17, Dushore Borough, Albany and Cherry Townships, \$259,780.05. Contract awarded to United Const. Co., Lock Haven, Pa.

Erie County, A-3414, Mill Creek Township, \$18,875.25. Contract awarded to Mayer Brothers, Erie, Pa.

Lehigh County, R-163, Slatington Borough, Washington Township. Contract awarded to McInerney & McNeal, Inc., Easton, Pa., \$78,406.50.

Berks County, A-3463, Heidelberg Township, \$18,415.41. Contract awarded to W. R. Wolfinger, Norristown, Pa.

Union and Snyder Counties, R-25, Spar, Monroe and Union Townships. Contract awarded to Lincoln Const. Co., Strafford, Pa., \$103,114.11.

Sewer Construction, Haverford Township, Pa., \$7,700. Engineer, Stuart B. Over, Township Building, Oakmont, Pa. Owners, Commission of Haverford, T. Weideman, Chairman, Township Building, Oakmont. Construction of 8-inch terra cotta sewer, approximately 4,500 lineal feet. Contract awarded Knox-Mariana Const. Co., Ardmore, Pa.

Retaining Wall, Bridge No. 122, Sproul Highway, North of Baltimore Pike, Springfield Township, Delaware County, Pa. Owners, Delaware County Commissioners, care of County Controller, Media, Pa. 120 feet of retaining wall 5¼-foot sidewalk and 6-inch curb. Contract awarded McHale Co., Norwood, Pa., \$7,750.

New Jersey Construction News

Buildings, New Jersey State Home for Girls, Trenton, N. J. Architect, Alan B. Mills, Director of Architecture and Construction, Trenton, N. J. Owners, State of New Jersey, B. G. Lewis, Commission of Institutions and Agencies, Trenton, N. J. Reinforced concrete, brick, steel (plumbing, heating and electric separate), tin and block slate roof, cement floors, hollow tile, painting and glazing, metal window guards, shoring, ornamental iron work, floor hardener, iron stairs, kalamein doors, rolled steel sash, tile and marble work, metal lath, integral waterproofing, membrane waterproofing, limestone, granite and bronze work. Certified check 5 per cent. of bid. Infirmary addition, 2 stories and basement, 66x26 feet, reception building, 3 stories, 75x32 feet, 2 wings, 38x31 feet. Owners taking bids due September 14th.

Residences (2), Liberty street, Trenton, N. J. Architect, R. A. Schumann, 202 West State street, Trenton, N. J. Owner, M. J. Folmer, Trenton, N. J. Brick, 2½ stories, 28x44 feet, slate roof, hardwood floors, hot water heat, electric light. Owner ready for bids.

Armory, Westfield, N. J. Architect, Alan B. Mills, Department of Architecture and Construction, Trenton, N. J. Owners, Commission of Institutions and Agencies, Burdell G. Lewis, Trenton, N. J. Brick, reinforced concrete, steel, 1 story, 243x149 feet (plumbing, heating and electric separate), green slate and slag roof, maple floors, tile, marble work, rolled steel sash, tin clad doors, kalamein doors, bond, iron stairs, ornamental iron work, safety treads, alberene stone, precast concrete, steel toilet partitions. Certified check 5 per cent. of bid. Owners taking bids due September 8th.

Power Plant, Chalfonte-Haddon Hall, Atlantic City, N. J. Engineers, Stewart A. Jellett Co., 1200 Locust street, Philadelphia. Owners, Chalfonte-Haddon Hall, Leeds &

Lippincott Co., Atlantic City. Reinforced concrete, brick, steel, 6 stories, 98x74 feet, slag and Barrett specification roof, composition, cement floors, hollow tile, plumbing, damp-proofing, rolled steel sash, kalamein doors, bond, floor hardener, ornamental iron work, brass pipe, rolled steel doors, membrane waterproofing, electric ducts and manholes. Engineers taking bids due September 7th at 10 A. M.

Schools (2), Pensauken, N. J. Architect, I. T. Catherine, Franklin Trust Building, Philadelphia. Owners, School Board of Delair Township, Delair, N. J. Low bidders: George W. Shaner & Son, Palmyra, N. J., \$268,000. School No. 2, H. John Homan, Eighteenth and Cherry streets, Philadelphia, \$307,000. All bids rejected.

Residence (alts. and add.), Riverton, N. J. Architect, J. Fletcher Street, 1120 Locust street, Philadelphia. Owner, Mrs. T. S. Janney Stoddart, 301 Highway, Riverton, N. J. Stone, 3 stories, 15x20 feet (vapor heat, plumbing, painting reserved), electric light, tile work, shingle roof, hardwood and composition floors, hardware. Architect taking bids due September 4th at noon.

Bank, Salem, N. J. Architect, Thomas Edw. Ash, 1012 Walnut Street, Philadelphia. Owner, Salem National Bank and Trust Company, care of Architect. Brick, limestone, 1 and 2 stories, 48x100 feet, slag roof, marble and linoleum floors, marble work, vaults, electric light, vapor heat. Plans in progress. Will take bids in one month.

Hotel (alts. and add.), South Virginia Avenue, Atlantic City. Architect, Bertram Ireland, Guarantee Trust Bldg., Atlantic City. Owners, Hotel Kauffman, 161 South Virginia Avenue, Atlantic City. Brick, steel, 7 stories, 33x70 feet, hardwood floors, steam heat, electric light, elevators, metal lath, tile and marble work. Owner will take bids.

Residence and Garage, Dorset and Atlantic Aves., Ventnor, N. J. Architect, A. L. Brooks, Humphry Bldg., Atlantic City, N. J. Owner, Charles Abrams, care of architect. Hollow tile and stucco, 2½ stories, 25x68 feet, 20x22 feet, Spanish tile roof, hardwood floors, hot water heat, electric light, tile and marble. Architect taking bids due Sept. 8th.

Residences (6) Brigantine Beach, N. J. Architect, D. A. Rosenstein, Humphry Building, Atlantic City, N. J. Owners, Brigantine Beach Development Co., Guarantee Trust Bldg., Atlantic City, N. J. Brick, frame, stucco, 2½ stories, approximately 36x40 feet, various roofs, hardwood floors, hot water heat, electric light, tile work. Owners will build.

Residence, Pleasantville, N. J. Architect, A. L. Brooks, Humphry Bldg., Atlantic City, N. J. Owner, Geo. Brooks, Pleasantville, N. J. Cinder block, stucco, 2½ stories, 75x45 feet, tile roof, hardwood floors, hot water heat, electric light. Benj. R. Fox, 1102 Atlantic Ave., Atlantic City, taking sub-bids.

School (add.), Troy Avenue, Ventnor, N. J. Architects, Stout & Riebnack, Guarantee Trust Bldg., Atlantic City, N. J. Owners, Ventnor School Board, Miss Maulick, Secy., Ventnor, N. J. Brick, steel, 2 stories and basement, 14 rooms and auditorium, slag roof, hardwood floors, safety treads, hollow tile, roof ventilators, water and damp-proofing, ornamental iron stairs, Bond, kalamein doors, tile and marble work, metal lath, (heating, plumbing and electric separate). Plans in progress.

Store and Apartment, Atlantic City, N. J. Architect, A. L. Brooks, Humphry Bldg., Atlantic City, N. J. Owner, name withheld. Brick, steel, 3 stories, 30x100 feet, slag roof, hardwood floors, copper work, plate glass, tile work, hot water heat, electric light. Plans in progress.

Residence, West Atlantic City, N. J. Architect, A. L. Brooks, Humphry Bldg., At-

lantic City, N. J. Owner, Mr. Schneider, on premises. Brick, frame, stucco, 2 stories, 40x60 feet, Spanish tile roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans in progress.

Store and Apartment, Illinois and Atlantic Avenues, Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Bldg., Atlantic City. Owners, Halpren Bros., 1740 Atlantic Ave., Atlantic City, N. J. Steel, brick, reinforced concrete, 5 stories, 100x30 feet, slag roof, hardwood floors, hollow tile, elevators, water and damp-proofing, ornamental iron concrete stairs, copper work, plate glass, tile and marble, City heat, electric light. Architect will be ready for bids in a few days.

Hospital, Atlantic City, N. J. Architects, H. A. Stout, H. V. Mathis, J. H. Vaughn, Guarantee Trust Bldg., Atlantic City, N. J. Owners, Atlantic City Hospital, Mr. J. Moore, Atlantic City. Fireproof, 4 stories, 40x165 feet, slag roof, steam heat, electric light. Will be ready for revised bids in a few days.

New Jersey Contracts Awarded

Residences (5) 1538-46 Louis Street, Camden, N. J., \$20,000. Architect, private plans. Owner, James Zawisza, 1188 Everett Street, Camden, N. J. Brick, 2 stories, 14x42 feet, slag roof, pine floors, hot air heat, electric light. Contract awarded to Barney Podusczak, 1220 Chase Street, Camden, N. J.

Store and Storage, 1223 Haddon Ave., Camden, N. J., \$10,000. Architect, private plans. Owner, H. S. Pout, Camden, N. J. Brick, 2 stories, 18x65 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded S. Levy, 1214 Kaighn Ave., Camden, N. J.

Building (add.), 503 Market Street, Camden, N. J. \$4500. Architect, private plans. Owner, V. W. Fulton Co., northeast corner 5th and Market Sts., Camden, N. J. Brick, 2nd story addition, 38x58 feet, slag roof, electric work. Contract awarded to Jas. D. Hill, 119 Crestmont Terrace, Collingswood, N. J.

Apartment (alts. and add.) Atlantic City, N. J. Architect, W. S. Hewitt, Guarantee Trust Bldg., Atlantic City. Owner, James Brigadell, 3201 Atlantic Ave., Atlantic City. Brick, steel, 4 stories, 15x12 feet, slag roof, pine floors, heating extension, electric light, metal lath. Contract awarded to H. Scull, 8 N. Cambridge Ave., Atlantic City, N. J.

Hotel and 7 Stores, Wildwood avenue and Boardwalk, Wildwood, N. J. Architects, Edwards & Green, Camden, N. J. Owners, Wildwood Hotel Co., H. Foster Goslin, president, Wildwood, N. J. Brick, steel, concrete, hollow tile, terra cotta, 9 stories and basement, 200x230 feet, promenade tile, asphalt built-up roof, vapor vacuum heat, electric light, tile, marble and terrazzo work, hollow metal skylights, kalamein doors, iron stairs and work, reinforced concrete floors, macite partitions, metal toilet partitions, laundry and kitchen equipment. Will contain 300 rooms, 300 baths, ball room, grill. Contract awarded to Lynch Const. Co., 1 Pershing Square, New York.

Bank, Glassboro, N. J. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owners, Glassboro Trust Co., E. Mortimer Duffield, Glassboro, N. J. Brick, cut stone, steel, 1 story and basement, 48x36 feet, slag roof, cement floors, plumbing, electric light, metal lath, tile, marble and terrazzo work, hollow metal sash, ornamental iron work, cabinet work. Contract awarded F. L. Supplee, University Boulevard, Glassboro, N. J.

New Auditorium, Haddon Heights, N. J. Architect, Henry C. Pelton, 151 West Forty-second street, New York City. Owners, St.

Rose's Parochial School, Haddon Heights, N. J. Stone, steel, 1 story and basement, balcony, 92x56 feet (cut stone, architectural terra cotta, waterproofing, dampproofing reserved), steam heat, electric light, metal lath, asbestos built-up roof, maple floors, metal ceilings. Contract awarded Hurley-Bryan Co., 117 South Twentieth Street, Philadelphia.

Export Warehouse, Paulsboro, N. J. Architect, private plans. Owners, Vacuum Oil Co., Paulsboro, N. J. Reinforced concrete, 3 stories, 60x120 feet, slag roof, cement floors, electric light. Contract awarded White Const. Co., Jefferson Building, Philadelphia, who will take sub-bids.

Bank, Elmer, N. J. Architect, Thomas Edward Ash, 1012 Walnut street, Philadelphia. Owners, Elmer Trust Co., C. L. Straten, secretary, Elmer, N. J. Brick, cut stone, steel, limestone, granite, 2 stories and basement, 35x45 feet, slag roof, cement and pine floors, painting and glazing, plumbing, steam heat, electric light, metal lath, bond, cement block, cabinet work, septic tanks, wrought iron pipe. Contract awarded Herbert J. Dodge, Elmer, N. J.

School, Pennsgrove, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owners, Board of Education, Pennsgrove, N. J. Frame, 1 story, 50x80 feet, shingle roof, pine floors, heating, electric. Contract awarded Harry C. Cawley, Pennsgrove, N. J., \$12,293.87.

Garage, Newton Avenue Car Barns, 300 Newton avenue, Camden, N. J., \$20,000. Architects, private plans. Owners, Public Service Railway Co., 418 Federal street, Camden, N. J. Brick and block, 1 story, 52x350 feet, corrugated iron roof, hot air heat, electric light, cement floors. Contract awarded to Bennett-McLaughlin Co., 3260 Ludlow street, Philadelphia.

Residences (3), 973-75-77 North Twenty-third street, Camden, N. J., \$12,000. Architect, private plans. Owner, Dr. David F. Bentley, 735 State street, Camden, N. J. Brick and block, 2 stories, 16 feet 2 inches x 40 feet, slag roof, hot water heat, electric light. Contract awarded to Harvey W. Cass, 128 Weikel avenue, Merchantville, N. J.

Manse (alts. and add.), Haddonfield, N. J. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, First Presbyterian Church, Haddonfield, N. J. Hollow terra cotta, stucco, 1 story, 16x13 feet, wing 14x12 feet, slate roof, concrete work, stone work, cut stone, brick, slate roof (match present), carpentry and mill work, pine, oak floors, painting, glazing, hardware, tile work, plumbing, brass pipe, wrought iron pipe, electric work, heating alterations. Contract awarded Thomas C. Trafford, 1613 Sansom street, Philadelphia.

Miscellaneous Construction News

Dormitory, Newark, Del. Architect, Day and lauder, Franklin Bank Building, Philadelphia. Owner, Delaware University, on premises. Stone, brick, steel, ready for bids in two weeks.

Stores (6), Wilmington, Del. Architect, R. C. Tindall, 914 Orange street, Wilmington, Del. Owner, name withheld. Brick, 1 story, 70x70 feet, slag roof, pine floors, roof ventilators, plate glass, skylights, tile work, steam heat, electric light. Plans in progress.

Boiler House and Laundry, Wilmington, Del. Engineer, R. P. Schoenijahn, Industrial Trust Building, Wilmington, Del. Owners, Homeopathic Hospital, Wilmington, Del. Preliminary plans in progress.

New Plant, Baltimore, Md. Architect, C. B. Comstock, 110 West Fortieth street, New York City. Owners, General Baking Co., Bal-

timore, Md. Reinforced concrete, brick, steel, 3 stories, basement, pent houses, 239x100 feet, wing 135x116 feet, wing 268x60 feet, slag roof, maple, cement and wood block floors (heating, lighting reserved), roof ventilators, architectural terra cotta, ornamental iron work, brass pipe, floor hardener, bond, fire and hollow metal doors, copper skylights, rolled steel sash, tile and marble and terrazzo work, metal lath, cork insulation, membrane waterproofing, monitor sash, asphalt floors, National steel pipe. Architect taking bids due as soon as possible.

Junior High School, Delaware avenue, Albany, N. Y. Architects, M. T. Reynolds and K. G. Reynolds, 100 State street, Albany, N. Y. Owners, Board of Contract & Supply, City of Albany, N. Y. Brick, reinforced concrete, steel, stone, granite, 3 stories and 2 basements, 204x93 feet, 2 wings, 135x72 feet, steam heat, electric light, metal lath, tile and marble work, slag roof, cement and maple floors, hollow tile, plumbing, tile and marble work, rolled steel skylights, bond, ornamental iron work, iron stairs, waterproofing and dampproofing, ornamental terra cotta, artificial stone, limestone, bronze covered doors, imitation travertine, imitation caen stone. Owners taking bids due September 8th.

Miscellaneous Contracts Awarded

State House (add.), Dover, Del., \$150,000. Architects, Brown & Whiteside, DuPont Building, Wilmington, Del. Owners, State of Delaware, Hon. R. P. Robinson, Dover, Del. Brick, steel, 3 stories and basement, 49x100 feet (plumbing, heating, electric work separate), slag roof, cement and pine floors. Contract awarded to Selbyville Mfg. Co., Selbyville, Del. Electric to Electric Cont. Co., 111 West Eighth street, Wilmington, Del. Plumbing to T. T. Weldin & Son, 916 Orange street, Wilmington, Del.

Office Building (alts.), Market street, Wilmington, Del. Architect, C. R. Hope, DuPont Building, Wilmington, Del. Owners, Highfield Realty Co., Wilmington, Del. General alterations, (2) new fronts, terra cotta trim, structural steel, partitions, ornamental iron work. Contract awarded to S. R. Jackson, 831 Orange street, Wilmington, Del.

Hospital Building, Farnhurst, Del. Engineer, R. P. Schoenijahn, Industrial Trust Building, Wilmington. Owners, Delaware State Hospital, Farnhurst, Del. Brick, steel, 1 story and basement, slag roof, cement and oak floors (plumbing, heating and electric work reserved). Contract awarded to W. D. Haddock & Co., 804 Orange street, Wilmington.

Dormitory, Wellsley, Mass. Architects, Day & Klauder, Franklin Bank Building, Philadelphia. Owners, Wellsley College, Wellsley, Mass. Brick, stone, limestone, 3 and 4 stories, 250x40 feet, 5 wings, steam heat, electric light, slate roof. Contract awarded Matthews Const. Co., Princeton, N. J.

BRICK

A Paper by D. Knickerbacker Boyd, Architect and Structural Standardist, Presented at the Annual Meeting, American Society for Testing Materials

Summary: The purpose of this paper is to show that any requirements for an individual brick should be based upon the performance expected of the collective units when assembled under actual service conditions in the form of a wall or

pier, rather than upon the performance of the unit itself.

This inevitably brings us to a consideration of existing stipulated requirements or specifications for bricks and to the available records of tests on brick walls, piers and other structural features.

Requirements as to individual brick are set forth in nearly every municipal or state building code, but they usually call for a hard, sound, well-burnt brick. The National Board of Fire Underwriters and the Department of Commerce Building Code Committee have formulated requirements as suggested national standards for brick. The Department of Commerce Building Code Committee in two documents refers to the Specification for Building Brick of this Society, with modifications in each case which show the need for a thorough revision of Standard Specifications Serial Designation C-21-20—on which Committee C-3 itself has long been working.

Tests on brick piers, for strength, have been made at the Watertown Arsenal and in several educational institutions. Tests on brick walls for fire resistance, and other tests for strength, have been made by the U. S. Bureau of Standards and perhaps a few others—but all too few—have been made elsewhere. Some tests have been made for heat transmission through brick walls, but none have ever been made on walls for absorption and for some other very important determinations.

In the paper which follows I will attempt to point out some of the knowledge concerning brickwork, as well as brick, which we should have through greater familiarity with actual structural requirements, in order to formulate improvements upon any specifications for brick. Such specifications should be workable and elastic enough to provide for the selection of the different grades of brick common to each locality and suitable to appropriate conditions of use. With particular reference to the existing specifications of this society, these would involve consideration of temporary revisions, as quickly as possible, through some of the following ways:

(1) To minimize the requirements for compressive strength.

(2) To emphasize the requirements for transverse strength.

(3) To greatly modify the requirements for absorption or to revise by fixing a strength value for the brick when saturated.

(4) To classify the brick according to the two highest tests rather than the one lowest, with perhaps limits on that property which is to be least considered rather than waiving same, as is now provided for by at least one national authority.

(5) To recommend methods of adjusting the specifications to suit the com-

position of local clays and structural requirements.

(6) To define the standard size as an approximation to be averaged.

In considering permanent changes in, or a complete revision of, the present specifications, I will endeavor to show that the following information should be obtained and fully considered:

First—On how absorption affects brick in the wall, and on how much water a wall of given thickness should absorb in a given time.

Second—On the strength and weight of walls wet and dry.

Third—On the effectiveness of field tests for transverse strength as determining the general characteristics of a brick. A device for this purpose has been designed by the U. S. Bureau of Standards.

Fourth—On the advisability of testing for surface hardness in addition to compression.

Fifth—On the difference between bricks tested on edge and flatwise.

Sixth—On the effectiveness of the Sodium Sulphate Test as an indication of weathering qualities.

Seventh—On the effect of alternate freezing and thawing of brick.

Eighth—On the reclassification of brick according to probable use rather than by arbitrary limits.

Ninth—On the physical qualities of brick in actual masonry construction with different mortars and different bonds.

Difficulties Involved in Making Uniform Specifications

Due to the infinite variety of chemical combinations in clay itself, and due to climatic and geologic conditions to which all clays, wherever found, have been subjected through the ages, it is impossible to obtain a raw material uniform in all localities for the manufacture of brick. Because of this intrinsic difference in the raw material it is practically impossible to manufacture brick from different clays which will have the same physical properties. It would, therefore, seem impossible to arrive at one set of specifications which accurately and fairly cover the many variations in physical properties of the different kinds of brick produced throughout the country.

Some brick, for instance, which have throughout an entire region, been in satisfactory use for years as hard brick, have physical qualities which would, on the basis of the present A. S. T. M. Specification, classify them as soft according to absorption, medium according to compression and hard according to modulus of rupture. It would assuredly be an economic waste to classify these brick as soft when they have proven thoroughly serviceable in a climate subject to heavy rain and severe cold and to suggest the exclusion of such brick by architects, builders, manufacturers and the public.

Yet this is an actual situation which is presented when authorities in one part of the country specify brick according to the A. S. T. M. Standards, for buildings in another part of the country.

Until such requirements are changed, I should like to see an explanation of the classification printed somewhat like the following:

"This classification is arranged from results of tests made on various bricks and is intended to be a hypothetical classification. Due to the variations in results obtained from tests on bricks manufactured from clays of different chemical composition, the requirements may be altered provided the resultant combination of physical properties has proven satisfactory in actual use in the locality intended and that the change is stipulated in specifications as a regional modification of the A. S. T. M. Standard."

(Note. The same explanation would be applicable to specifications for sand, gravel, broken stone and other products subject to local use.)

Practically, logically and scientifically there should be a separate set of specifications for bricks made from various kinds of clay and for their several uses. It is different with a strictly manufactured product for which it is necessary to standardize the various ingredients as to quality and particularly as to quantity and where it is impossible to characterize the product by visual inspection and physical demonstration "on the job." This is not the case with a brick, which by its color and ring, may, with a knowledge of local conditions, be generally determined as to whether it is a strong, permanent and thoroughly satisfactory unit for its intended use.

It is my hope that some day, in place of hard and fast dividing lines between compression, modulus of rupture, tensile strength and absorption, a chart and description of characteristics may be devised whereby the specifier may select the properties which he desires the brick to possess for the intended use and describe them according to grades locally obtainable. A specification would then read something like this: "All brick shall be tested to meet the tests prescribed by the A. S. T. M. Specification, Serial C-21-30, and shall fall within the following classifications: Exterior walls below ground level A. 75. B. 50. C. 65. D. 15. commonly recognized as hard brick; above the ground level, for exterior face, the same; for backing up (so and so) known as medium brick; for certain interior walls (so and so) known as soft brick."

This is not an entirely new thought. One committee of the A. S. T. M. has already developed a Scoring System for grading fabrics. But more relevant to the subject under discussion and somewhat analogous is the "Scheme of Service Classification of Refractories," de-



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veloped by Committee C-8 of our society. This was published in the form of a table with notes in Volume 23, Part I, A. S. T. M. Proceedings, page 216, and will be the basis of further studies by the C-3 Subcommittee, of which I am chairman.

With these remarks as a general introduction, I will discuss now some of the important considerations about tests for brick work from the standpoint of actual use as compared with present A. S. T. M. requirements for individual units, under the following headings.

Compressive Strength

Modulus of Rupture

Tensile Strength

Absorption (inc. freezing and thawing)

Mortar and Bond

Size and Tolerances

Compressive Strength: The compressive strength of a brick has usually been considered the chief index of the quality of the brick. And yet, in tests that have been made on walls, it has been found that failure has often been caused by breaking of the header bricks before crushing of the individual brick.

The results of practically every test of which I have record tend to prove that the strength of the wall is limited by the modulus of rupture and perhaps by the tensile strength of the header bricks rather than by the compressive strength of either the header or stretcher units. Therefore, the vital factor in determining the strength of any piece of brickwork would seem to be the modulus of rupture.

The hardness of any material is usually emphasized as an indication of what can be expected in wearing qualities. However, the exposed surface of a brick in wall is the part which is subjected to wear by the action of the elements and may therefore be the important part to consider.

If it is definitely proven that the modulus of rupture limits the serviceable strength of the brick, it might be advisable to test a brick for surface hardness rather than for compressive strength. It very likely would be found that, for example, some brick which now are classified as medium would be perfectly satisfactory when classified as hard.

As to the methods for testing for compression, some specifications call for testing brick on edge and some flatwise.

It would certainly seem to be advisable to test all building units used in the same manner by similar methods. Information gained now and in the future would also always be comparable with tests made in the past.

Modulus of Rupture: The modulus of rupture or transverse strength is a most important quality of the brick, and, strange as it may seem, many building codes completely ignore it. As I have already stated, the modulus of rupture usu-

ally determines the failing point of a wall or pier, and by merely specifying compressive strength, as is often done, it might be that entirely the wrong deductions would be drawn as to the serviceable strength of the wall. For instance, brick from the New York district might be compared with brick from the Illinois district as follows:

	Mode of Rupture	Compressive Strength
New York	601	5630
Illinois	1180	3200

(Figures given in Bureau of Standards' Technological Paper No. 111.)

The accepted method of estimating strength by the test for compression, which is used by architects, contractors, brick layers and others would show the New York brick the stronger, whereas in reality the Illinois brick might develop greater strength in the wall.

In support of this possibility the Federal Specification Board is considering specifications for brick which would require only modulus of rupture tests, which may be made in the field.

Absorption: What does absorption mean? According to present practice, it means that the amount of moisture the brick can be forced to absorb. This information is all very well, but just what "absorption" means as far as the actual use of the brick is concerned is another matter since the absorption may affect the building or wall in which the brick is used in at least five ways. It may—

(a) Weaken the brick and consequently the strength of the wall. If this is not the case, the amount of absorption of the brick does not matter.

(b) Add weight to each brick. It is advisable to know whether the absorption of the individual brick is sufficient to increase the dead weight of the wall to a dangerous degree.

(c) Affect the amount of moisture which might penetrate to the inside of the wall. Such penetration would probably vary according to mortar, bond and thickness of the wall with the same brick. In practice, it has been proven that bricks with little or no absorption do not make as satisfactory a wall as bricks with a considerable percentage of absorption.

(d) Affect the adhesion of the mortar. This would, without doubt, have a marked effect on the strength of the wall, but has never been determined satisfactorily.

(e) Affect the resistance of the wall to freezing and thawing.

When the structure in which the brick is used is located in a climate subject to freezing weather, the question of freezing and thawing becomes one of the most important factors to be considered in determining an allowable percentage of moisture in building brick.

A very interesting paper on freezing and thawing and the co-relation of so-

dium sulphate treatment with actual freezing of building brick was presented to the 1919 meeting of the A. S. T. M. by Edward Orton, Jr.

Without going into this exhaustive report, it is of interest that Mr. Orton estimated that four sodium sulphate treatments were about equivalent to twenty-five actual freezings. He presented with this report a comparison between the Grading of 37 groups of five bricks each, which in addition to the value of tests illustrated forcibly the difference in strength values of the A. S. T. M. tests for brick of different clays.

Further Freezing Tests Suggested

It is my suggestion that further tests should be made on brick by both the sodium sulphate and actual freezing in order to determine a more definite correlation between these two methods, always bearing in mind the actual conditions of use of the brick in construction.

Due to the time and expense involved in making actual freezing and thawing tests, it may be advisable to use the sodium sulphate tests for bricks of a certain percentage of absorption and actual freezing tests for the rest. Further tests will also help to determine the most important fact to consider in connection with absorption and that is whether the percentage of absorption is really of vital importance in making a classification of building brick.

It is of interest to note what has been done in testing other products to ascertain the effects of freezing and thawing. In a pamphlet on the "Strength, Absorption and Freezing Resistance of Hollow Building Tile," issued by the Bureau of Standards, Mr. H. D. Foster says that "an absorption of 16 per cent. apparently marks a very definite line in the resistance to freezing and thawing. Tile of lower absorption showed little or no effects from 100 freezings and thawings."

Due to the fact that brick is much thicker than hollow tile, it would seem that if the actual danger point for brick can be determined, it will be greatly in excess of 16 per cent and probably at a certain point be dependent on the modulus of rupture.

Regarding absorption in general, the possibility of varying percentages of moisture affecting actual construction work in any of the ways previously mentioned should be determined and then a recommendation made as to how much absorption should be allowed for different uses. The Building Code of the City of Boston requires that the brick be tested for compressive strength dry and then saturated. The difference in strength, if any, between the dry and wet brick, is the determining factor in allowing the material to be used and not the percentage of absorption.

(Continued next week.)

Reference Directory for Architects, Builders and Owners

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Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES.

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Warren-Knight Co.136 N. 12th St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
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BLUE PRINTS.

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BOILER AND PIPE COVERINGS.

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

BRICK.

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.

BRICK (Face, Common, Paving).

Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS.

Mitchell Bros.2125 Race St., Phila.

BUILDING BLOCKS.

Schnitzler & Wilt.....Morton, Pa.

BUILDING NEWS.

Daily Building News.....Perry Bldg., Phila.

BUILDERS' SUPPLIES.

Camden Materials Co.....1345 Pine St., Camden, N. J.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CAST STONE.

Vineland Architectural Cast Stone Works,
Vineland, N. J.

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CEMENT WORK.

D'Lauro, John55 E. Mermaid Lane, Phila.
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COLD STORAGE (Insulation and Covering)

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

COLUMNS (Metal).

Pearce Fireproof Co.1911 N. 2nd St., Phila.

COMPOSITION FLOORING.

Penna. Flooring & Woodoleum Mfg. Co.,
34 S. 17th St., Phila.

CONCRETE SEWER PIPE.

Stroudsburg Septic Tank Co. 328 Chestnut St., Phila.

CONCRETE WORK.

Harsch, Wm. F.Narberth, Pa.
Massiah, Frederick, Juniper and Cypress Sts., Phila.
CONTRACTORS' EQUIPMENT
Lee T. Ward Co.617 Filbert St., Phila.

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Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

CURTIS WOODWORK.

Gillingham Co. ...Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS.

Building News Pub. Co.Perry Bldg., Phila.

DAMP-PROOFING.

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger.....829 N. 3rd St., Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Master Builders' Co.,
Room 601, 1524 Chestnut St., Phila.

Truscon Laboratories.....1505 Race St., Phila.

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Murphy Door Bed Co.....512 Bulletin Bldg., Phila.

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Cass, Philip, & Co.40 N. 5th St., Phila.

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Smith, Lincoln H. ...Real Estate Trust Bldg., Phila.

EXCAVATING.

Harsch, Wm. F.Narberth, Pa.
McCarrick Bros.3138 N. 24th St., Phila.
Morrissey Bros.4345 N. 7th St., Phila.

FENCES.

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.
Potts, Horace T., & Co. ...Erie Ave. and "D" St., Phila.
Reisbord, Wolf4437-43 Ludlow St., Phila.

FINANCING (BUILDING)

Commercial Advance Corp., 1011 Chestnut St., Phila.
Abe Kolsky9th & Walnut Sts., Phila.
Mortgage Extension Corp., 1011 Chestnut St., Phila.

FIREPLACE EQUIPMENT.

F. R. Rosen.....5216 Walnut St., Phila.

FIREPROOFING.

Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLAG POLES.

J. E. Lingo & SonCamden, N. J.

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Wood, Alan, Iron & Steel Co. Widener Bldg., Phila.

FLUE LINING.

Clausen, Wm. H.27th and Diamond Sts., Phila.

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Cox, Abram, Stove Co., American and Dauphin Sts., Phila.
Fleck Bros.44 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
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Abram Cox Stove Co.,
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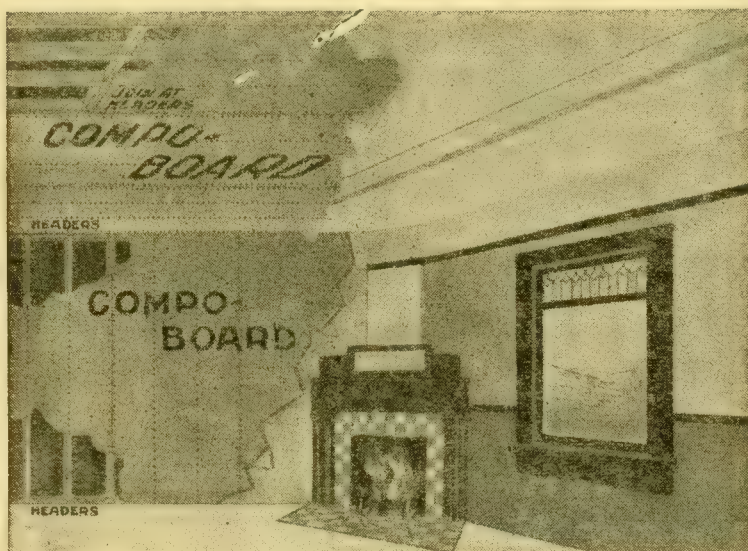
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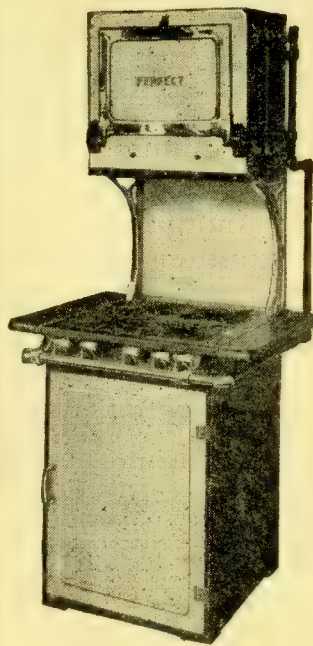
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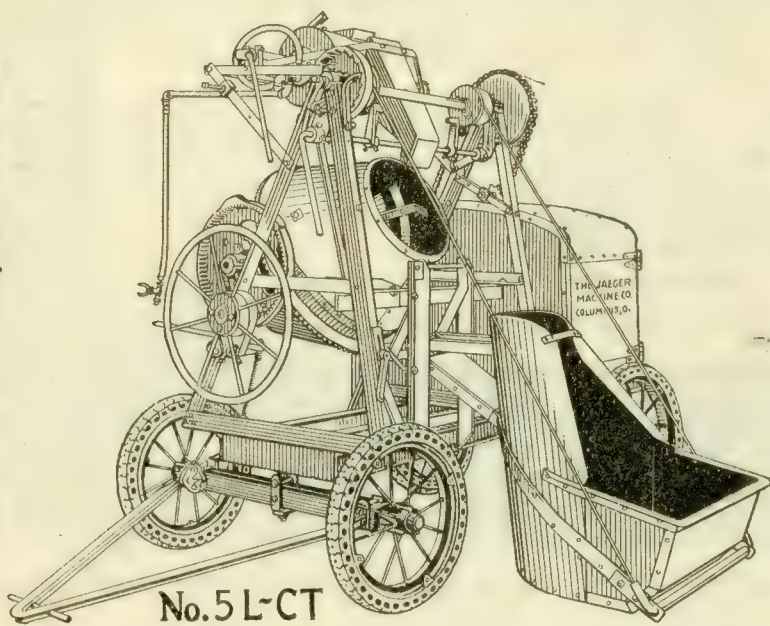
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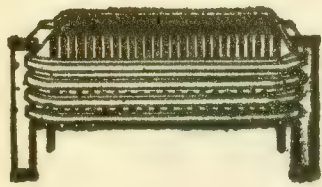
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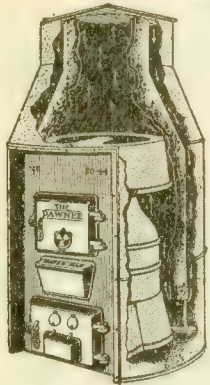
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As The Editor Sees It



BRICK

A Paper by D. Knickerbacker Boyd, Architect and Structural Standardist, Presented at the Annual Meeting, American Society for Testing Materials

(Continued from Last Week)

The Building Code Committee of the U. S. Department of Commerce in its tentative code for Masonry Walls recommends the Specification of the A. S. T. M. with this radical departure. It provides "That when the average compressive strength of brick grading soft by the absorption test is more than 3,000 pounds per square inch, the requirements as to absorption may be ignored."

The A. S. T. M. gradings make it necessary to classify a brick by the results of one test rather than the combination of all tests and so when the percentage of absorption is higher than that allowed for a hard brick, the brick must be classified as medium or soft. It does not seem logical that the absorption should be made the deciding factor when the compressive and tensile strength of a brick may be very high if the absorption does not weaken the brick for practical purposes.

Bricks in actual use are subject to wetting by standing water in the case of foundations and by falling rain in the case of exterior walls. Tests should therefore be made to simulate these conditions as nearly as possible. In the present spec-

ifications of the A. S. T. M., it is provided that the brick be boiled in water for five hours. In some other specifications the method by which the absorption is determined, is without boiling.

Absorption in Brick Exposed to the Weather

Another point should be considered and that is, the rate of absorption. When the brick is used in the wall, it may, if used on a corner, have two surfaces exposed to the weather and the other four surfaces covered with mortar. The moisture which the brick will absorb will come either from the two exposed surfaces or from the mortar. The brick when boiled can liberate practically all the air which is held inside and which is displaced when the brick is thoroughly saturated. The brick, when immersed, can liberate eventually practically all of the air. Yet when it is built into the wall, it cannot liberate the air as readily and it is doubtful if it would ever reach the maximum of absorption. The rate of absorption should indicate how easily the air would be driven out of the brick and would probably give some idea of what the actual absorption would be in the wall and conversely the evaporation, which would dry out a wall after wetting.

What I would like, as an architect, to see determined is the amount of time which it would require the maximum rainfall in any locality, driven by the average wind pressure in that locality,

against walls of given thicknesses constructed with good sound hard brick of that locality in different kinds of mortar, to penetrate such walls to the point of saturation. I would also want to know, not so much that two brick at the end of five hours each had, in a laboratory test, absorbed the same amount of water, but which brick had absorbed the most water the quickest. If at the end of one hour or two hours, one of the brick had become saturated but the other one had required the full five hours to reach its saturation point, then I would have some index of the time required to penetrate a wall. But this would have to be checked with the wall tests—where the mortar joints play such an important part.

There is another factor which seems to me to have great bearing on the interpretation of laboratory tests of brick in reference to absorption and freezing and thawing. Practically all tests which have been made heretofore have been made on new brick. There are, however, thousands of buildings in this country in which brick has been subjected to the rigours of a hundred and more severe winters and an equal number of torrid summers. By testing these brick, when they are available, a knowledge of how freezing and thawing has really affected brick might be obtained and this information used as another basis on which to interpret the results of laboratory tests for absorption.

What we all would like to see determined, if possible, is: Just what life or

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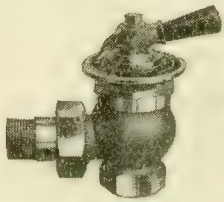
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duration in certain localities may be considered as equivalent to five hours boiling? Just what, in years of service, may be represented by 25 freezing and thawing tests? By 50 such? Or by 100? Or by 200? What matter it to us, or to the people who pay for and live in buildings, what the results might be of tests on the individual brick, for compression, for modulus of rupture, and for absorption, if the tests did not indicate that the brick give the desired service in the wall?

To these three requirements for individual brick we must add another that will give an index to durability under exposure in the wall—or establish one or two tests that will cover all.

The Boiling Tests and Freezing and Thawing Tests made on a thoroughly saturated brick give a basis on which to figure a laboratory strength for the brick. It is then necessary to interpolate from this laboratory analysis to arrive at a conclusion which will be substantiated in actual practice. Take as a well known example, Independence Hall, Philadelphia. This building has been subjected to over a hundred and fifty winters of freezing and thawing and the bricks are apparently in perfect condition. It is not known how the A. S. T. M. tests might have classified these brick but the average laboratory tests might not have indicated this wonderful life and service rendered to date with apparently centuries yet to go.

Mortar and Bond: The use of building brick which we are considering is in some form of construction as units bonded together by a mortar. As the mortar is a considerable percentage of the actual wall, the strength of the wall depends to a great extent upon the strength of the mortar. Tests have shown that in some instances a wall will develop a greater compressive strength than the strength of the mortar alone. Mortar is usually tested in cubical or cylindrical shapes but is not used in that form, which accounts for some difference.

Since the strength of the brick is greater than the strength of the mortar, it is important to find the strength of the mortar as well as the strength of the brick. Some building codes have taken this into consideration as for example, the code of the National Board of Fire Underwriters

which has been adopted practically in toto by many cities.

In this Code, it is required that bricks be tested *flatwise* for compression. No modulus of rupture is specified. The brick must develop 3,000 pounds compressive strength but when laid up in a wall, the load allowed is limited as follows:

	Lbs. Per Sq. In.
Brickwork in Portland Cement Mortar	250
Brickwork in Natural Cement Mortar	208
Brickwork in Lime and Portland Cement Mortar	208
Brickwork in Lime Mortar	111

It can be seen from this that while the brick must pass certain tests, the use of the brick is determined not by the strength of the brick itself, but by the mortar. Why should a brick have to be the same strength, where only a load of 111 pounds per square inch is allowed, as it would have to be when 250 pounds per square inch is allowed? If the brick would last long and not deteriorate, it is only reasonable that a weaker brick would do for a lighter load. The only logical answer to this is that a brick of a certain compressive strength would normally be hard and durable. This again would vary with different clays.

Irrespective of any required compressive strength in the individual brick, it is evident that the mortar used is of great importance. Tests of brick piers built with different mortars were made at Stockholm by Professor Kreuger and the results are interesting.

Influence of the Strength of Mortar on Piers

Pier No.	Bricks	Mortar Strength of in Lbs.	Mortar Mixture	Strength of Piers
1	4,040	0	Dry Sand	740
2	4,040	38	1 lime: 3 sand	740
3	4,040	355	2 lime: 1 cement: 9 sand	1,420
4	4,040	695	1 lime: 1 cement: 6 sand	1,840
5	4,040	1,280	1 lime: 2 cement: 9 sand	1,700
6	4,040	1,640	2 lime: 1 cement: 7 sand	1,930
7	4,040	2,620	1 cement: 3 sand	1,980

Tests on these bricks were not made in the same way as they are made in the United States but they give some idea of the effect of mortar on the ultimate strength of a pier. The modulus of rupture is not given and cannot therefore be considered in making deductions.

(Continued on page 575)

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CONTEMPLATED CONSTRUCTION: ARCHITECTS AND OWNERS: COST LIMIT: LAST DAYS FOR FILING BIDS:

CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED: ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Gym Building, City Line, Sixty-sixth Avenue and Haverford Avenue, Overbrook, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Friends' Central, Fifteenth and Race streets, Philadelphia. Brick, stucco, cut stone, steel (heating, ventilating and electric reserved), metal lath, tile work, bond, iron work, maple, cement and composition floors, variegated slate roof, plumbing, painting, glazing, hollow concrete block. Revised plans in progress.

Milk Distributing Station, Stable and Garage, Twelfth and Welsh streets, Chester, Philadelphia. Architect and engineer, Charles Wistler, care of owner. Owners, Supplee-Wills-Jones Co., 1523 North Twenty-sixth street, Philadelphia. Brick, steel, concrete, 1 story, size of lot 152x154 feet, slag roof, cement floors. Plans about completed.

Church (int. alts. and renovations), Olney, Pa. Architect, Albert N. Dobbins, 1709 Arch street, Philadelphia. Owners, St. James' Methodist Episcopal Church, Rev. W. Galloway Tyson, 201 East Tabor road, Philadelphia. Plans in progress.

Residence (2-family) (alts.), Northwest Corner Farraget Terrace and Locust street, Philadelphia. Architects, Stuckert & Co., Crozer Building, Philadelphia. Owner, Mrs. Ethel Thomas, care of architect. Interior alterations, hot water heat, electric light, tile work, plumbing. Architects are sub-letting.

Office Building, 1508 Walnut street, Philadelphia. Owners, Stroud & Co., care of Edward B. Robinette, 1429 Walnut street, Philadelphia. Stone, brick, reinforced concrete, steel, 8 stories, 25x170 feet. Work contemplated.

Apartment House, Northeast Corner Eighteenth and Rittenhouse, Philadelphia. Owners, Company, care of Isadore Stern, Flanders Building, Philadelphia. Stone, steel, concrete, 19 stories, 110x150 feet. Work contemplated.

Factory (reconstruction), Fifty-second and Gray's Avenue, Philadelphia. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, M. F. Wilfong Iron Works, on premises. Brick, steel, concrete, general fire restoration. Owners taking sub-bids.

Synagogue, Fifty-eighth and Warrington, Philadelphia. Architect, J. S. Fuller, 5438 Locust street, Philadelphia. Owners, Congre-

gation Beth Am, care of architect. Brick, limestone, bluestone, ornamental terra cotta, basement, auditorium and balcony, 62x88 feet, slag roof, maple floors, vapor heat, oil burning system, electric light, tile and marble work, carpentry, ornamental plaster, church equipment, painting and glazing. Architect will be ready for sub-bids in one week.

Parochial School, Fourth and Brown streets, Philadelphia. Architect, Peter F. Getz, Victory Building, Philadelphia. Owners, St. Agnes' Slovak Church, Rev. J. L. Yorke, on premises. Stone, brick, cut stone, concrete, 3 stories and basement, steam heat, electric light, metal lath, marble work, rolled steel sash, bond, ornamental iron work, iron stairs, slag roof, pine, cement and maple floors, plumbing, metal weather strip and ceiling, dampproofing, metal partitions, granite composition stair treads, ornamental plaster, wrought iron pipe, Anti Hydro waterproofing. Revised plans in progress. Architect will be ready for bids (new) in one week.

Residence and Garage, West Gowen Avenue, Chestnut Hill. Architects, Walter T. Karcher and Livingston Smith, 34 South Seventeenth street, Philadelphia. Owner, Morris Llewellyn Cooke, care of architects. Stone, steel, 2½ stories, 1½ stories and basement, 56x25 feet, 20x20 feet, hot water heat, electric light, metal lath, tile work, variegated slate roof, oak and pine floors, plumbing, painting and glazing, tile work, bond, ornamental iron work, waterproofing (Anti Hydro), metal casement sash, flagstone, wrought iron pipe. Architects taking bids due September 14th.

New Buildings alts. to Buildings, Eighth and Thompson streets, Philadelphia. Architect, Amos Barnes, Perry Building, Philadelphia. Owners, Children's Homeopathic Hospital, on premises. Brick, steel, cut stone (plumbing, heating and electric work reserved), Barrett specification roof, cement and oak floors, hollow tile, metal lath, tile, marble and terrazzo work, copper skylights, hollow metal doors, architectural terra cotta, ornamental iron work, new nurses' home, 3 stories and basement, 102x36 feet, new power house, 2 stories, 63x32 feet, dispensary building, 3 stories and basement, 36x70 feet, alts. to present nurses' home. Architect taking bids due September 14th.

Building (alts. and add.), 1329 Ridge Avenue, Philadelphia. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Owner, Charles Miller, on premises. Brick, steel, 2 stories, 50x86 feet, electric light, wood floors, carpentry and mill work, plastering. Architect taking bids due as soon as possible.

Installation of New Receiving Doors and Skid, 1301-29 Glenwood Avenue, Philadelphia. Architect, J. R. Torrence, 85 Ninth Avenue, New York City. Owners, National Biscuit Co., on premises. Lumber, steel awnings, steel plates, rolling steel shutters, painting. Architect taking bids due as soon as possible.

Boiler Room Repairs to Ceiling, United States Mint, Philadelphia. Owners, United States Government, care of Custodian, Seventeenth and Spring Garden streets, Philadelphia. Owners taking bids due September 10th, 2 P. M. (Standard Time). Plan No. R-706.

Proposals will be received from contractors to take up ten miles of trolley rails situated between Yardley, Pa., and New Hope, Pa. For further particulars apply Citron Byer Co., 69 Muirhead Avenue, Trenton, N. J.

Municipal Car Storage Yard, Piers 82-84, South Delaware River. Owners, Department of Wharves, Docks and Ferries, Municipal Pier No. 4, South Wharves, Philadelphia. Owners taking bids due September 14th, 11 A. M. (Standard Time). Construction with incidental work of municipal car storage yard. Plans and specifications may be obtained from Room 204, Municipal Pier No. 4, South Wharves. Deposit, \$25, refunded. Certified check 5 per cent. of amount of bids.

Grading and Paving, Philadelphia. Owners, Department of Public Works, Bureau of Highways, 232 City Hall. Owners taking bids due September 15th, 11 A. M. (Standard Time). Grading, asphalt paving (assessment work), country road improving, surfacing, asphalt repaving (subject to future legislation), redressed granite block repaving (subject to future legislation, paving and repaving certain alleys, filler for asphalt paving mixtures, construction of footways, painting Coulter Street Bridge, construction of loading platform. Certified check, 5 per cent. of amount of bid.

Apartment, Northwest Corner Queen Lane and Laurens street, Philadelphia, \$15,000.

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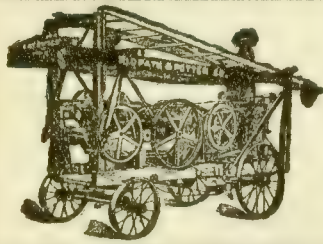
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Residence (add.), 502 Queen Lane, Philadelphia, \$2,000. Owner, A. L. Craig, 5238 Laurens street, Philadelphia. Brick, 3 stories, 17x56 feet, 13x28 feet, residence addition, 3 stories, 11 feet 5 inches x 16 feet 6 inches, hot water heat, electric light, hardwood and pine floors. Owner will build.

Residences and Stores (2), Residences (22), 1500 to 1546 Kinsdale street, Philadelphia, \$97,000. Owner, Harold P. Mueller, 204 Oak Lane Trust Building, Philadelphia. Brick, 2 stories, (2) 16x35 feet, (22) 16x27 feet, 12x9 feet, hot water heat, electric light. Owner will build.

Residences (6), East side Manayunk avenue, North of Gates street, \$6,000 each. Architect, private plans. Owners, Manayunk Coal & Lime Co., Main and Umbria streets, Philadelphia. Brick, 2 stories, 19 and 42x32 feet, slag roof, pine floors, electric light. Owners will build.

Store and Residence, 6030-32 Larchwood avenue, Philadelphia, \$2,000. Architect, private plans. Owner, David Stern, 272 South Sixtieth street, Philadelphia. Brick, 7 feet 6 inches x 14 feet 6 inches, slag roof, pine floors, general alterations. Owner will build.

Residence, Northwest Corner Glenn and Legion streets, Philadelphia, \$4,500. Architect, private plans. Owner, George Muller, 3329 North Water street, Philadelphia. Brick, 2 stories, 22 feet 11 inches x 37 feet 11 inches, electric light, pine floors. Owner will build.

Garage, 6307 Germantown avenue, Philadelphia, \$30,000. Architect, private plans. Owner, Joseph Lupowitz, 324 West Roosevelt Boulevard, Philadelphia. Brick, 1 story, 54x235 feet, slag roof, cement floors, steam heat, electric light. Owner will build.

Store and Residence (add.), Southeast Corner Twenty-first and Sharswood streets, \$15,000. Architect, private plans. Owner, W. T. Somerville, Twenty-first and Sharswood streets, Philadelphia. Brick, 3 stories add., 18x51 feet, slag roof, electric lighting, hardwood and pine floors. Owner will build.

Residences (2), East side Thuron street, North of Washington lane, \$5,000 each. Architect, H. L. Duhring, 1309 Locust street, Philadelphia. Owner, John McCool, Johnston and Forrest avenue, Philadelphia. Brick, 2 stories, slag roof, hot air heat, electric light, hardwood and pine floors. Owner will build.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Engineers, 232 City Hall. Owners taking bids due September 16th, 11 A. M. (Standard Time). Schedule A—Sewage disposal project, curbing, sidewalks for grit chamber plot at

Hunting Park avenue and O street. Intercepting sewer along Tacony Creek from North of Ruscomb street to Bingham street. Schedule B—Grading and improvement of city property, Fortieth Ward. Certified check 5 per cent. amount of bid. Inquire Room 416, City Hall.

Supplies, Navy Yard, Philadelphia. Owners, Department of Supplies and Accounts, Navy Department, Washington, D. C. Owners taking bids due September 15th, 10 A. M. (Standard Time), delivering fuel oil pumps, pressure gauges, thermometers, tool kits, rolls, basswood, cypress, hickory, redwood, white pine, hemlock, white cedar.

Residence Development, Chestnut Hill, Pa. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, Judson Zane, Land Title Building, Philadelphia. Sketches in progress. Details undecided.

Girls' Catholic High School, Forty-fifth and Chestnut streets, Philadelphia. Architect, Hoffman Henon, Finance Building, Philadelphia. Owners, Girls' Catholic High School, care of D. Cardinal Dougherty, Eighteenth and Race streets, Philadelphia. Stone, brick, steel, concrete, three stories. Plans about completed. Will take bids in one month.

Factory and Warehouse, west side of Fifty-first street, south of Lancaster avenue, \$25,000. Architect, private plans. Owners, Jacob Myers & Sons Co., Fifty-first and Lancaster avenue, Philadelphia. Brick, two stories, 58x62 feet, slag roof, electric work, cement work. Owners will build.

Surfacing, Philadelphia. Owners, Department of Public Works, Bureau of Highways, 232 City Hall. Owners taking bids, due September 17th 11 A. M. (S. T.). Certified check 5% of amount of bid. Packer street, Broad to Tenth; Seventh street, Johnston to Pattison; Tenth street, Johnston to Pattison streets, Philadelphia.

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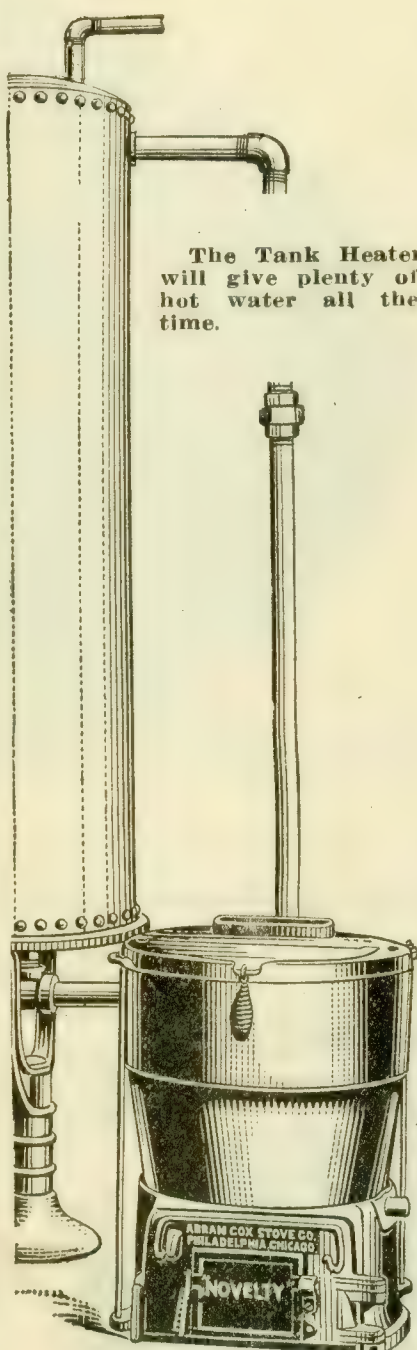
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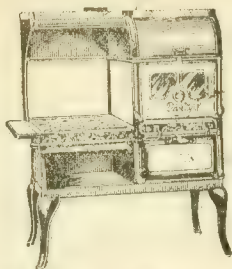


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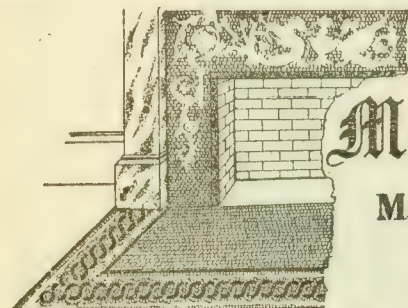


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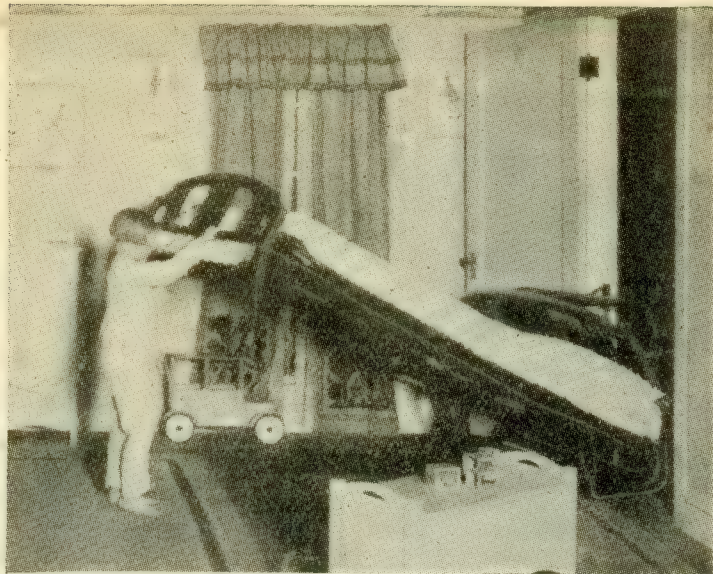
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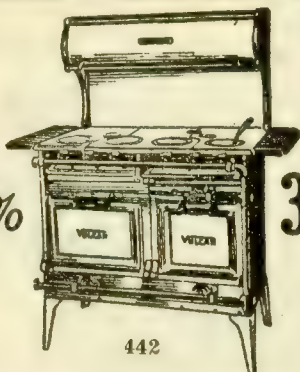
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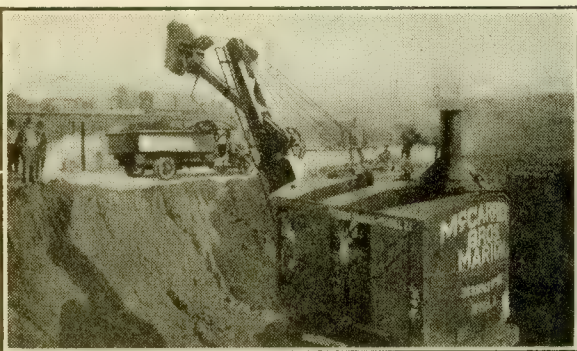


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Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Apartment House, Southwest Corner Fifteenth and Spruce streets, Philadelphia. Architects, W. H. Gravel and Arthur Hall, Otis Building, Philadelphia. Owner, Richard S. Seltzer, 1423 Locust street, Philadelphia. Brick, steel, cut stone, 12 stories and basement, 71x40 feet (plumbing, heating, electric reserved), slag roof, cement, composition, tile floors, linoleum, metal lath, tile, marble and terrazzo work, fire and kalamein doors, bond, metal weather strip, ornamental iron work, incinerator. Contract awarded Wark & Co., 1600 Walnut street, Philadelphia.

East Service Building of Psychiatric Clinic, Forty-ninth and Market streets, Philadelphia. Architect, Arthur H. Broekie, 254 South Fifteenth street, Philadelphia. Owners, Pennsylvania Hospital, Forty-ninth and Market streets, Philadelphia. Brick, cut stone, stone, stucco, limestone, 2 stories and basement, 240x43 feet, slag roof, cement floors, hollow tile, plumbing, metal weather strips, waterproofing, ornamental iron work, rolled steel skylights, tile and marble and terrazzo work, metal lath, bluestone, limestone, caulking, wrought iron pipe. Contract awarded Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Warehouse, Hutchinson and Tenth streets, Philadelphia. Architect, John Emlen Bullock, 34 South Seventeenth street, Philadelphia. Owners, Tomlinson Holding Corp., on premises. Brick, reinforced concrete, steel, 3 stories, 158x66 feet, slag roof, maple and cement floors, painting and glazing, dampproofing, rolled steel sash and skylights, fire and kalamein doors, ornamental iron work. Contract awarded A. Raymond Raff Cont. Co., 1635 Thompson street, Philadelphia.

Residence (alts. to Apartment 3 and Store), 1710 Columbia avenue. Architect, L. E. Binns, 5516 Germantown avenue, Philadelphia. Owners, Di Aemilo Brothers, on premises. Brick, 3 stories, 18x75 feet, interior alterations, hot water heat, electric light, tile work, plumbing, slag roof, hardwood floors. Contract awarded Hugh Hazlett & Son, 1701 North Twentieth street, Philadelphia.

New Section of Art Museum, Fairmount Park, Philadelphia. Architects, Borie, Trumbauer & Zantinger, 1406 City Hall, Philadelphia. Owners, Commissioners of Fairmount Park, City Hall, Philadelphia. Stone, cut stone, steel, two stories, 217x110 feet, terra cotta tile, cement and oak floors, elevators, metal lath, tile work, bronze covered doors, bond, iron stairs, ornamental iron work, integral waterproofing, ornamental plaster, bronze windows, ornamental marble work, Minnesota cut stone. Contract awarded Geo.

A. Fuller Co., Morris Building, Philadelphia.

Stores (4), Apartment Building (alts. and add.), Fifth and Somerville, Philadelphia. Architects, E. H. Silverman and Abraham Levy, Elrae Building, Philadelphia. Owner, Morris Stoumer, 220 South Fourth street, Philadelphia. General alterations. Contract awarded I. Negin, 1809 South Fourth street, Philadelphia.

Store (alts. and add.), Ninth and Buttonwood streets, Philadelphia. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owners, Benjamin Loan Co., on premises. New front metal bulks. Contract awarded David Goldman, 1617 South Orkney street, Philadelphia.

New Infirmary Building and Addition to Nurses' Home, Roosevelt Boulevard, Summerdale street, Frankford, Philadelphia. Architects, Morris & Erskine, 1716 Cherry street, Philadelphia. Owners, Friends' Hospital, Roosevelt Boulevard and Summerdale street, Philadelphia. Brick, cut stone, steel, 1 story and basement, 3 stories and basement, 32x18 feet, 37x77 feet, gray slate roof, cement, pine and linoleum floors, metal weather strip, architectural terra cotta, ornamental iron work, bond, kalamein doors, tile, marble, terrazzo, metal lath. Contract awarded Robert E. Lamb Co., 843 North Nineteenth street, Philadelphia.

Residence alts. to apt., Cheltenham avenue and York road, Philadelphia. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, Harrison S. Morris, Liberty Building, Philadelphia. Cement block, stone, cut stone, steel, 2½ stories, 1½ stories and basement, 72x88 feet, garage, 20x24 feet, shingle and tin roof, oak and pine floors, painting and glazing, metal lath, ornamental iron work (heating, plumbing, drainage, electric work, finished hardware, tile work, cork composition floors reserved). Contract awarded W. J. Gruhler, 219 High street, Philadelphia.

Building, Thirteenth and Sansom streets, Philadelphia. Architect, Frank E. Hahn, Seventh and Chestnut streets, Philadelphia. Owners, A. M. Greenfield & Co., Juniper and Walnut streets, Philadelphia. Contract awarded Smith-Hardican Co., 1809 Callowhill street, Philadelphia.

Residence, Gainor and Hillcrest road, Drexel Park, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Guilbert Wallworth, care of J. Wallworth Sons, Chester, Pa. Frame, 2½ stories, 26x40 feet, variegated slate roof, hardwood floors, hot water heat, electric light,

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tile work. Contract awarded Bert R. Parker, Glenolden, Pa.

Residence and Garage, North side Avonhoe road, North of Haines street, \$22,000. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owner, George W. Lindley, 5143 Wakefield street, Philadelphia. Stone, 2 stories, 23x51 feet, garage, 1 story, 19x22 feet, slate roof, hardwood, pine and cement floors, hot water heat, electric light. Contract awarded to G. H. English, 72 West Cheltenham avenue, Philadelphia.

Stores and Residences (3), Northeast Corner Poplar and Marshall streets, Philadelphia. Architects, E. H. Silverman and A. Levy, Elrae Building, Philadelphia. Owner, Samuel Saler, 38 South Water street, Philadelphia. Brick, 2 stories, (1) 16x34 feet, 11x10 feet, (2) 29x38 feet, 20x10 feet, hot water heat, electric light, slag roof. Contract awarded to Max Siegel, 1723 North Franklin street, Philadelphia.

Residence, North side Shelmire street, East of Lawndale street, \$6,000. Architect, private plans. Owner, Kate McMenamin, Clementon, N. J. Frame, 2½ stories, 24x34 feet, hot water heat, electric light, hardwood and pine floors. Contract awarded to Ray M. Eberts, Fox Chase, Pa.

Theatre, Frankford avenue and Margaret street, Philadelphia. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, William Freihof, Land Title Building, Philadelphia. Reinforced concrete, cut stone, rubber stone, brick, 1 story and basement, 197x93 feet, asbestos roof, cement floors, steam heat, metal lath, tile and marble work, rolled steel sash, bond, ornamental iron work, roof ventilators, shoring, plumbing, Indiana limestone, ornamental plaster, morene finish. Contract awarded George Kessler Const. Co., 1733 North Marvine street, Philadelphia.

Factory (add.), Northwest Corner Eleventh and Wharton streets, Philadelphia. Architect, private plans. Owners, Consolidated Cigar Corp., Fifth avenue and Fifty-seventh street, New York. Brick, steel, 5 stories and basement, 71x64 feet, slag roof, cement floors, elevators, steam heat, electric light, tile work, rolled steel sash, hollow metal doors, metal toilet partitions, plumbing. Contract awarded John N. Gill Const. Co., City Center Building, Philadelphia.

Store and Residence (add.), 1627 West Erie avenue, Philadelphia, \$2,000. Architect, private plans. Owner, Adolph E. Kotsch, on premises. Brick, 2 stories, 16x18 feet, slag roof, pine floors. Contract awarded to Henry P. Schneider, 3713 York road, Philadelphia.

Store and Residence (add.), 322 Loney street, Philadelphia, \$2,500. Architect, private plans. Owner, Joseph Marcus, on premises. Brick, 1 story add., 24x36 feet, slag roof, pine floors. Contract awarded to J. Rothman, 6438 Webster street, Philadelphia.

Residence, Southeast Corner Tackawanna and Margaret streets, \$3,500. Architect, private plans. Owner, Francis Jennings, 1831 Herbert street, Philadelphia. Brick, 2 stories, 43x13 feet 6 inches, slag roof, pine floors, hot air heat, electric light. Contract awarded to James H. Winston, 1831 Herbert street, Philadelphia.

Residences (2), South side Decatur street, West of Walker street, \$5,000. Architect, private plans. Owner, L. N. Castor, 8026 Frankford avenue, Philadelphia. Brick, 2 stories, 16x34 feet, slag roof, pine floors. Contract awarded to F. G. Castor, 8204 Frankford avenue, Philadelphia.

Store and Office, 5 and 7 North Sixtieth street, Philadelphia, \$18,000. Architect, private plans. Owner, A. Brooks, 5146 Market street, Philadelphia. Brick, 2 stories, 26x24 feet, hot water heat, electric light. Contract awarded to M. Benjamin, 5913 Chancellor street, Philadelphia.

Residence (add.), 6426 Sherwood road, Philadelphia, \$3,500. Architect, private plans. Owner, E. G. parsly, care of builder. Brick, second story addition, 7 and 10x13 feet. Contract awarded to Herbert G. Campion, Otis Building, Philadelphia.

Restaurant (alts.), Northeast Corner Twenty-eighth and Fairmount avenue, \$3,500. Architect, private plans. Owner, P. J. McGee, 6204 Charles street, Philadelphia. General alterations. Contract awarded to John J. Harding, 723 North Twenty-sixth street, Philadelphia.

Church (alts.), Nineteenth and Annin streets, Philadelphia, \$2,500. Owners, Grace A. M. E. Church, on premises. General alterations. Contract awarded to L. Hutchinson, 1834 Federal street, Philadelphia.

Residence (add.), 5913 Pulaski avenue, Philadelphia, \$2,000. Architect, private plans. Owner, C. S. Smith, on premises. Brick, third story add., 16x22 feet. Contract awarded to Roy Randall, Jenkintown, Pa.

Apartment (add.), 4111 Baltimore avenue, Philadelphia, \$2,090. Architect, private plans. Owner, Martha A. Griffiths, 4111 Baltimore avenue, Philadelphia. Brick, third story add., 23 feet 9 inches x 29 feet 3 inches. Contract awarded to Harry Blackburn, 2 South Forty-second street, Philadelphia.

Store, 5537-39 Germantown avenue, Philadelphia, \$40,000. Owner, J. Solis Cohen, 1424 South Penn Square, Philadelphia. Brick, 2 stories, 35x144 feet, slag roof, hot water heat, electric light. Contract awarded to Harry R. Rust, Inc., 19 South Eighth street, Philadelphia.

Garage, Northeast Corner Snyder avenue and Percy street, Philadelphia, \$35,000. Architect, private plans. Owner, M. Cherry, 1108 Lincoln Building, Philadelphia. Brick, 2 stories, 29x29 feet, slag roof, cement floors, electric light. Contract awarded to Glashofer & Farbstein, 529 Morris street, Philadelphia.

Warehouse, 5915 Dittman street, Philadelphia, \$25,000. Architect, private plans. Owner, Lewis Lauderback, 5909 Torresdale avenue, Philadelphia. Brick, 3 stories, 33 feet 4 inches x 120 feet, slag roof, electric light. Contract awarded to Edward T. Bender, 1135 Wakeling street, Philadelphia.

Laboratory (add.), 4901 Stenton avenue, Philadelphia, \$14,000. Architects, Morris & Erskine, 1716 Cherry street, Philadelphia. Owners, Leeds & Northrup, 4901 Stenton avenue, Philadelphia. Brick, 1 story add., 38x54 feet. Contract awarded to William R. Dougherty, 1608 Sansom street, Philadelphia.

Garage, 523 Bainbridge street, Philadelphia, \$12,000. Architect, private plans. Owner,

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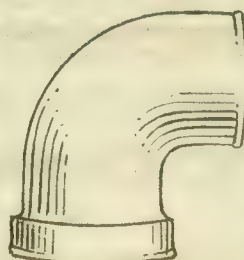
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Sarah Fogel, 528 Bainbridge street, Philadelphia. Brick, 2 stories, 30x30 feet, slag roof, cement floors, electric work. Contract awarded to Frank Fogel, 528 Bainbridge street, Philadelphia.

Store (alts.), Northwest Corner Fifth and Cambria streets, Philadelphia, \$10,000. Architect, private plans. Owner, Z. Rosenfeld, on premises. General alterations. Contract awarded to Arcade Const. Co., 605 Finance Building.

Residence (add.), 1226 Spring Garden street, Philadelphia, \$10,000. Architect, private plans. Owner, J. R. Allman, Finance Building, Philadelphia. Brick, 3 stories add., 18x40 feet, 14x40 feet. Contract awarded to S. H. Levin, 1631 South Fifth street, Philadelphia.

Store and Storage (alts.), 812 North Broad street, Philadelphia, \$5,000. Architect, private plans. Owner, E. R. Shollenberger, 812 North Broad street, Philadelphia. General alterations. Contract awarded to E. J. Kreitzburg, 1333 Arch street, Philadelphia.

Garage, 339-41 North Fifty-sixth street (rear), Philadelphia, \$5,000. Architect, private plans. Owner, C. C. Pryor, on premises. Brick, 1 story, 34x82 feet, slag roof, cement floors. Contract awarded to J. D. Fisher, 5426 Thompson street, Philadelphia.

Laundry (add.), 1027 Vine street, Philadelphia, \$15,000. Owner, Louis R. Belmont, 1027 Vine street, Philadelphia. Brick, third and fourth stories add., 22x39 feet. Contract awarded to Carr & Courtney, 3025 Poplar street, Philadelphia.

Store and Residence (add.), 7121 Boyer street, Philadelphia, \$3,500. Architect, private plans. Owner, C. W. Kamouse, 201 East Gorgas Lane, Philadelphia. Brick, 1 story, 20x8 feet, side 5x24 feet. Contract awarded to George Whiteman, 201 Penn street, Philadelphia.

Store and Residence (add.), 3345 North Front street, Philadelphia, \$2,600. Architect, private plans. Owner, E. Ernell, on premises. Brick, 2 stories add., 9x11 feet, slag roof, pine floors. Contract awarded to J. Maurer & Co., 1304 North Second street, Philadelphia.

Store and Residence (add.), 2911 North Twenty-second street, Philadelphia, \$2,000. Architect, private plans. Owner, Felix Vitale, 2911 North Twenty-second street, Philadelphia. Brick, 2 stories add., 13x21 feet 6 inches, slag roof, pine floors. Contract awarded to Gartano Salvator, 2211 North Toronto street.

Residence (add.), 1329 South Twenty-first street, Philadelphia, \$4,000. Architect, private plans. Owner, David Walsh, 1323 Point Breeze avenue, Philadelphia. Brick, 2 stories, 12x20 feet. Contract awarded to Charles Forman, 2628 South Percy street, Philadelphia.

Office and Storage (alts.), 121 Chestnut street, Philadelphia, \$3,600. Architect, private plans. Owners, Geo. H. McFadden & Bro., on premises. General alterations. Contract awarded to Smith-Hardican Co., 1809 Callowhill street.

Garage, 2860 Reese street, Philadelphia, \$2,000. Architect, private plans. Owners, Shipton & Payne, on premises. Brick, 1 story, 20x76 feet, slag roof, cement floors. Contract awarded to Stewart Bros. Co., 2526 North Orkney street.

Garage, 2963 East Venango street, Philadelphia, \$2,000. Architect, private plans. Owners, Moy & Margar, on premises. Brick, 1 story, slag roof, cement floors, irregular size. Contract awarded to H. A. Hopple, Heed Building, Philadelphia.

Residences (7), Clarkson and Olney avenues, Philadelphia, \$5,200 each. Architect, private plans. Owner, Samuel Allman, 426 West Annsbury street, Philadelphia. Brick, 2 stories, 15x29 feet and 15x38 feet, slag roof,

hardwood and pine floors, hot water heat, electric light. Owner will build.

Garage, 6723 Emlen street (rear), Philadelphia, \$25,000. Architect, private plans. Owner, A. Draich, 6800 Quincy street, Philadelphia. Steel and concrete, 2 stories, irregular size, slag roof, cement floors. Owner will build.

Garage, South side Penrose Ferry road, West of Gallows Lane, \$13,000. Architect, private plans. Owners, Gulf Refining Co., 1515 Locust street, Philadelphia. Brick, 1 story, 60x131 feet 10 inches, slag roof, cement floors. Owners will build.

Residences (4), 7217-23 Dittman street, Philadelphia. Architect, private plans. Owner, H. Gercke, 3532 Princeton avenue, Philadelphia. Brick, 2 stories, 16x30 feet, slag roof, pine floors. Owner will build.

Residence (add.), 4518 Osage avenue, Philadelphia, \$4,000. Architect, private plans. Owner, S. S. Silverman, 803 Land Title Building, Philadelphia. Brick, 2 stories, 21x19 feet. Owner will build.

Factory (add.), South side Apsley street, East of Wayne avenue, \$35,000. Architect, F. L. Durgin, Jr., Palmyra, N. J. Owner, James J. Flynn, 4545 Wayne avenue, Philadelphia. Brick, 2 stories add., 50x92 feet 5 inches, electric light, slag roof, pine floors. Contract awarded to Cramp & Co., Denckla Building, Philadelphia.

Garage (alts.), 707-19 East Girard avenue, Philadelphia, \$7,000. Architect, private plans. Owners, William J. Meeland & Bros., 1133 North Delaware avenue. General alterations. Contract awarded to John Taylor & Son, 2628 Braddock street, Philadelphia.

Gun Club, Southeast of Tacony street on line with Ashbourne street, \$5,000. Architect, private plans. Owners, Quaker City Gun Club, on premises. Frame, 1 story, 30x70 feet. Con-

tract awarded to George Gray, 1224 Wakeling street, Philadelphia.

Residence and Store (alts.), 1601 Annin street, Philadelphia, \$2,100. Architect, private plans. Owner, Carmine Bitoneti, on premises. General alterations. Contract awarded to Guerino Marchini, 1716 McClelland street.

Garage (add.), 3225-27-29 North Lee street, Philadelphia, \$3,500. Architect, private plans. Owner, J. Fleming, 3225 North Lee street, Philadelphia. Brick, 1 story add., 40x58 feet. Contract awarded to M. K. Adams, 3232 North Reese street, Philadelphia.

Bakery (alts.), 4136 Lancaster avenue, Philadelphia, \$3,000. Architect, private plans. Owner, John Hurmanis, 4136 Lancaster avenue, Philadelphia. General alterations. Contract awarded to Charles Walter & Son, 5557 Angora terrace.

Store (add.), 4771 Frankford avenue, Philadelphia, \$2,000. Architect, private plans. Owner, Mary Oldham, on premises. Brick, 1 story add., 18x34 feet. Contract awarded to Albert Rosenberg, 1905 Orthodox street.

Residence and Store, southeast corner of Seventieth and Elmwood avenue, Philadelphia, \$11,000. Architect, private plans. Owners, American Stores Co., 424 North Nineteenth street, Philadelphia. Brick, two stories, 25x55 feet, 25x9 feet, slag roof, pine floors, electric light. Contract awarded to J. Frank Barber, 1204 Otis Building, Philadelphia.

Residence and Store, 928 Fitzwater street, Philadelphia, \$6,500. Architect, private plans. Owner, Joseph Mattendia, on premises. Brick, three stories, 17x35 feet, 15x10 feet, slag roof, hardwood and pine floors, electric light. Contract awarded to Lorendio Vianale, 1316 S. Thirteenth street, Philadelphia.

PENNSYLVANIA Construction News

Chapel, Elizabethtown, Pa., \$125,000. Architect, E. A. Wightman, Bankers' Trust Building, Philadelphia. Owners, John S. Sell Memorial, Elizabethtown, Pa. Granite, 1 story. Preliminary plans in progress.

Sunday School Building (add.), Williamstown, Pa. Architect, Albert N. Dobbins, 1709 Arch street, Philadelphia. Owners, Methodist Episcopal Church, Williamstown, Rev. Mr. Shalkop, Williamstown, Pa. Brick, 2 stories, 34x64 feet, slate roof, pine and composition floors, vapor heat, electric light. Plans in progress.

Stadium, Elizabeth avenue, Bethlehem, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Board of Education, C. F. Frey, Bethlehem, Pa. Reinforced concrete. Work contemplated. Sketches drawn.

Jail, near Media, Delaware County, Pa., \$300,000. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owners, County Commissioners, Delaware County, J. M. Birney, Jr., chairman, Media. Plans in progress. Architect selected.

Y. M. C. A. (alts. and add.), Easton, Pa. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, Young Men's Christian Association, Easton, Pa. Reinforced concrete, brick, steel, new third and fourth floor add., 65x25 feet, slag roof, cement and maple floors, hollow tile, plumbing, painting and glazing, steam heat, electric light, metal lath, rolled steel sash, bond, floor hardener, Byers and Reading wrought iron pipe. Architects taking bids due September 14th at noon.

Sunday School, Collingdale, Pa. Architect,

George S. Baum, 1511 Arch street, Philadelphia. Owners, Lutheran Church, Collingdale, Pa. Stone, 1 story, balcony and basement, 44x76 feet, black slate roof, pine floors, plumbing, gas and steam heat, electric light, tile work, ornamental iron work, artificial cast stone. Architect taking bids due September 14th.

Boiler House No. 2 (add.), Marcus Hook, Pa. Architects, The Ballinger Co., Twelfth and Chestnut street, Philadelphia. Owners, Viscoes Co., on premises. Brick, reinforced concrete, steel, 1 story and basement, 51x35 feet, Barrett specification roof, cement floors, painting and glazing, safety treads, plumbing, rolled steel sash, tin clad doors, floor hardener, iron stairs, ornamental iron work, wrought iron pipe. Architects taking bids due September 10th.

American Legion Building, Penn street, Clifton Heights, Pa. Architect, T. J. Kelly, Clifton Heights, Pa. Owners, American Legion, Clifton Heights, Pa. Brick, frame, stucco, 2 stories, 88x30 feet, concrete footings, steam heat, electric light, slate and shingle roof, pine and cement floors, plumbing. Owners, care of Mr. Kelly, Broadway near Springfield avenue, Clifton Heights, taking bids.

Bungalow, Somerton, Pa. Architect, Christian H. Fries, Drexel Building, Philadelphia. Owner, Stanley Ervin, Somerton, Pa. Stone, stucco, 1½ stories, 33x50 feet, slate roof (alternate asbestos shingle roof), hardwood and composition floors, hot water heat, electric light, tile work, cement paving, artesian well,

hand pump. Architect taking bids due September 14th.

Church and Sunday School, Indiana, Pa. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, United Presbyterian Church, Dr. J. C. Pinkerton, Indiana, Pa. Owners taking bids due September 16th.

Bridge, Market street, Harrisburg, Pa. Architect, Paul Cret, Otis Building, Philadelphia. Owners, Harrisburg Bridge Co., care of F. M. Masters, Harrisburg, Pa. Stone, steel, 2,800 feet wide. Architect taking bids due September 15th.

Residence and Garage, Willow Grove, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, William L. Raiser, care of architect. Stone, 2½ stories, 25x90 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Road Work, Pennsylvania. Owners, Pennsylvania State Highways, Harrisburg, Pa. Low bidders:

Mercer County, South Pymatuning Township, 13,753 feet. One course reinforced concrete. Meredith & McVaugh, Castle Shannon, Pa., \$80,767.46.

Armstrong County, R-69, A-3030, 2617, East Franklin Township, 10,325 feet. One course reinforced concrete. M. J. McMahon, Dubois, Pa., \$111,382.20.

Lehigh County, A-2497, Catasauqua Borough, 7,489 feet. One course reinforced concrete. George H. Hardner, Allentown, Pa., \$108,777.69.

Dauphin and Lebanon Counties, R-139, Derry Township, Palmyra Borough, 8,380 feet. One course reinforced concrete. Clyde B. John & Bro.

Beaver County, A-3316, Economy Township, 4,425 feet. One course reinforced concrete. Geo. S. White Co., Pittsburgh, Pa., \$40,078.30.

Cumberland County, R-250, North Cumberland and Lemoyne Borough, Lower Allen Township, 11,737 feet. One course reinforced concrete. Paul R. Hostetter, Inc., York, Pa., \$109,831.28.

Lycoming County, R-20, Section 9, Hepburn Township, 6,106 feet. One course reinforced concrete. Lane Const. Corp., Meriden, Conn., \$57,961.85.

Crawford County, R-258, A-3356, Venango and ambridge Townships, 13,756 feet. Either bituminous surface course on concrete foundation or one course reinforced concrete. Colonial Const. Co., Pittsburgh, Pa., \$106,255.56.

Armstrong County, A-3027, R-251, East Franklin Township, 11,658 feet. One course reinforced concrete. Johnson, Drake & Piper, Inc., Minneapolis, Minn., \$91,864.19.

Potter County, R-102, Sec. 5, Ulysses and Sweden Townships, 66,820 feet. One course reinforced concrete. D. L. Dennis, Smethport, Pa., \$743,567.19.

Washington County, R-268, Sec 8, Centerville Borough, 28,835 feet. One course reinforced concrete. Gorrado & Calardi Const. Co., Onnellsville, Pa., \$346,181.27.

Bridge, over Neshaminy Creek, State Highway Route No. 150, crosses between Bristol and Bensalem Township, Croyden, Pa. Engineer, J. S. Roberts, Jr., Bristol, Pa. Owners, Bucks County Commissioners, Doylestown, Pa. Owners taking bids, due September 28th, 11 A. M. (S. T.), for reinforced concrete bridge. Deposit \$10.00.

Pennsylvania

Contracts Awarded

Residence and Garage, Lafayette and Windsor avenue, Melrose, Pa. Architects, E. H. Silverman and Abraham Levy, Elrae Building, Philadelphia. Owner, Mrs. Samuel Gerstley, care of architect. Stone, brick, cut stone, concrete, stucco, 2½ stories and base-

ment, 75x31 feet, one story, 23x26 feet, shingle roof, oak, pine floors, flagstone, metal lath, hot water heat, electric light, tile and marble work, metal weatherstrip, wrought iron pipe, rubber tile floors. Contract awarded to J. Sims Wilson, 1125 Brown street, Philadelphia.

Convent Building, Nineteenth and Washington Boulevard, Easton, Pa. Architects, Folson, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owners, Parish of St. James Francis DeChantel, Easton, Pa. Brick, cut stone, steel, three stories, 69x36 feet (heating, plumbing, lighting, ventilating reserved), sag roof, oak and cement linoleum floors, metal lath, painting, glazing, ornamental iron work, bond, kalamein doors, copper skylights, limestone, bluestone, granite. Contract awarded to W. H. Gaul, Reading, Pa.

Store and Apartment, 5 and 7 South Sixtieth street, Philadelphia. Architect, Edwin L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, A. Brooks, on premises. Brick, cut stone, steel, two stories and basement, 40x90 feet, slag roof, oak floors, steam heat, electric light, tile and marble work, metal lath, plumbing, metal ceilings, waterproofing, bond, ornamental iron work, wrought iron pipe. Contract awarded to Michael Benjamin, 2120 Sixty-sixth avenue, Oak Lane, Philadelphia.

Residence, Willow Grove avenue, Wyndmoor, Pa. Architect, John Emlen Bullock, 34 South Seventeenth street, Philadelphia. Owner's name withheld. Concrete, hollow tile, hot water heat, electric light, metal lath, tile work. Contract awarded to John Morrow, Abington, Pa.

Office Building (alts. and add.), Bryn Mawr, Pa. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., Seventeenth and Parkway, Philadelphia. Brick, cut stone, steel, two stories and basement, 29x22 feet, slag roof, cement, pine and composition floors, hollow tile, ornamental iron work, bond, hollow metal sash, metal lath, steam heat, electric light. Contract awarded to E. H. Keefer, 1321 Rodman street, Philadelphia.

Bakery, Jenkintown, Pa. Architect, L. Walton Heiss, Jenkintown, Pa. Owners, Truman Quality Shop, Jenkintown, Pa. Brick, one story, 40x90 feet, asphalt roof, hardwood and cement and maple floors. Contract awarded to Roy Randall, Jenkintown, Pa.

Plant, North Wales, Pa. Architect, private plans. Owners, Keller Pottery Co., Norristown, Pa. BrBick, steel, one story, 70x400 feet, slag roof, cement floors, electric light. Contract awarded to Austin Co., Jefferson Building, Philadelphia.

Store (alts. and add.), Market street, Harrisburg, Pa. Architect, Clayton J. Lappley, Ebner Building, Harrisburg, Pa. Owners, F. & W. Grand Co., M. L. Morrison, 906 Broadway, New York. Brick, one story, 100x27 feet, slag roof, pine floors, freight elevator, heating extension, electric light. Contract awarded to Jacob S. Foose, Front and Emerald streets, Harrisburg, Pa.

Masonic Building, Leighton, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Masonic Hall Association, Leighton, Pa. Brick, steel, tile, three stories, 65x130 feet, slag roof, hardwood and composition floors, hollow tile, safety treads, steel sash, tile work, metal lath, electric light, steam heat. Contract awarded to Ochs Construction Co., 440 Wire street, Allentown, Pa.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Lehigh County, R-158, Upper Milford Borough, Lower Macungie Township. Contract awarded to Wm. M. Moser, Mt. Carmel, Pa., \$269,606.16.

Lehigh County, R-157, Lower Macungie and South Whitehall Townships. Contract awarded to Dalton Bros., Paoli, Pa., \$130,359.40.

Clarion County, R-214, Monroe Borough, \$61,062.62. Contract awarded to Joseph McCarty Construction Co., Kaukauna, Wis.

Sewers, Darby, Pa. Architects, Damon & Foster, Post Office Building, Darby, Pa. Owners, Borough of Darby, H. E. Smith, Darby, Pa. Construction of terra cotta pipes for sewers on Hill street, Fuller street, Cedar street, Tenth street, Eleventh street, Marks avenue. Contract awarded Robert Greer, Darby, Pa., \$7,850.

New Jersey Construction News

Store and Apartment House, Broadway and Spruce street, Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owners, Berger Bros., care of architect. Brick, steel, two stories, 41x56 feet, slag roof, hardwood floors, metal ceilings, cut stone, tile and marble, metal lath, hot water heat, electric light. Plans in progress.

Building (3), (alts to three Residences), Riverton, N. J. Architect, H. Fletcher Street, 1120 Locust street, Philadelphia. Owner, Charles S. Mears, Riverton, N. J. Stone, two stories, slag roof, hardwood floors, hot air heat, electric light, tile work. Plans in progress.

Bakery, Newark, N. J. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owners, Drake Bakeries, Inc., Newark, N. J. Reinforced concrete, steel, three stories, 130x78 feet, slag roof, concrete and maple floors, electric light. Plans in progress.

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Boiler House and Laundry, Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, St. Francis' Hospital, Chambers and Hamilton streets, Trenton, N. J. Fireproof, two stories and basement, 40x80 feet, slag roof, concrete floors, roof ventilators, water and dampproofing, iron stairs, fire doors, rolled steel sash, steam heat, electric light. Architect ready for bids.

School, New Jersey avenue, Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, School Board, H. H. Young, Secretary, Atlantic City, N. J. Low bidders, Lam Building Co., 1001 Wood street, Philadelphia, \$469,960; F. V. Warren, 1913 Arch street, Philadelphia, \$473,516.

Connecting Road, New Jersey. Engineer, H. W. Griffin, Eighth and Market streets, Camden, N. J. Owners, State Highway Commission, A. Lee Grover, Secretary, Broad Street Bank Building, Trenton, N. J. Construction of Delaware River Bridge connecting road, sections 1 and 2, Borough of Pensauken, Delaware River Bridge Entrance Road; section 2, City of Camden, together with relocation of Cooper River. Excavation, borrow, hydraulic dredge excavation, pipe and piling. Owners taking bids, due September 14th at 11 A. M. Deposit of \$10.00. Certified check 10%.

Trolley Track Paving, New Jersey. Owners, State Highway Commission, A. Lee Grover, Secretary, Broad Street Bank Building, Trenton, N. J. Middlesex County, Route 9, Sec. 4, Borough of Dunellen. Single track excavation, concrete foundation, granite block pavement. Owners taking bids, due September 14th at 11 A. M. (S. T.). Certified check 10%.

Quarters, Fort Monmouth, Oceanport, N. J. Owners, Constructing Quartermaster, Fort Monmouth, Oceanport, N. J. Deposit of \$5.00 required. Owners taking bids, due September 30th at 10 A. M.

School, Hammonton, N. J. Architects, Lackey & Hettle, 5 Hudson avenue, Camden, N. J. Owners, Hammonton School Board, W. R. Selley, Secretary, Hammonton, N. J. Low bidders, George W. Shaner & Son, Palmyra, N. J., \$214,076; Wills Sill Co., 1726 Sansom street, Philadelphia, \$221,721. Plumbing, Harry Knecht, West Collingswood, N. J., \$8,490. Electric, Franks & Sweeney, Camden, N. J., \$5,450. Unit heating, Mechanical Equipment Co., 214 South Twelfth street, Philadelphia, \$26,225. Vapor heat, Harry Knecht, West Collingswood, N. J., \$18,276. Warm air heat, American Heating Co., 1505 Race street, Philadelphia, \$18,792.

School, Margate City, N. J. Architect, Vivian B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owners, Board of Education of Margate City, N. J. Low bidders: John M. Yardley, 1730 Sansom street, Philadelphia, \$183,650 (alt. No. 1 deduct) \$14,800; S. A. Sims Co., 1413 Walnut street, Philadelphia, \$189,965, deduct \$15,900. Electric, J. Howard Blackman, Atlantic City, N. J., \$9,254, deduct \$1,250. Plumbing, Currie Co., 1232 Atlantic avenue, Atlantic City, \$11,155, deduct \$870. Heating, Currie Co., 1232 Atlantic avenue, Atlantic City, N. J., \$32,448, deduct \$6,226.

Residence, 1313 Morton street, Camden, N. J. Architect, private plans. Owner, Joseph Zubryzchi, 1299 Morton street, Camden, N. J. Brick, two stories, 14 feet 6 inchesx50 feet, slag roof, hot water heat, electric light, pine floors. Owner will build.

Residences (2), 418-20 North Thirty-fourth street, Camden, N. J., \$8,400 total. Architect, private plans. Owners, Roland McMahon & Albert Seidelman, Woodbury, N. J. Frame, two stories, 16x38 feet, slate surface roof, hot water heat, electric light. Owners will build.

New Jersey Contracts Awarded

Factory, Vineland, N. J. Engineers, W. P. Cameron Engineering Co., Witherspoon Building, Philadelphia. Owners, Kimball Glass Co., Vineland, N. J. Brick, steel, three stories and basement, 90x100 feet (plumbing, heating and electric reserved), slag roof, cement and pine floors. Contract awarded to W. P. Cameron Co., Witherspoon Building, Philadelphia.

Residences (2), 51 and 53 North Forty-second street, Camden, N. J., \$12,000. Architect, Arthur B. Gill, 328 Market street, Camden, N. J. Owner, William Hicks, care of architect. Brick, two stories, 16x42 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to D. H. Phillips, 15 Beechwood avenue, Oaklyn, N. J.

Residence, 1211 Bergen street, Camden, N. J., \$2,500. Owner, Thomas H. Cook, Camden, N. J. Frame, two stories, 14x34 feet, slate surface roof, hot air heat. Contract awarded to Joseph K. Clouser, 543 Vine street, Camden, N. J.

Miscellaneous Construction News

Assembly Building, Sommerville, Mass. Architect, Albert Kahn, Detroit, Mich. Owners, Ford Motor Co., Detroit, Mich. Brick, concrete, cut stone, limestone, 300x1200 feet, one story, cement, tile built up roof, asbestos roof, cement, wood block floors, painting, waterproofing and dampproofing, ornamental iron work, iron stairs, bond, steel and kalamein doors, rolled steel skylights, tile and marble, terrazzo work, metal lath, caisson piles, pile driving, metal toilet partitions (plumbing, electric, sprinkler system, steel sash, steel sash operators separate bids), (structural steel work reserved). Architect taking bids.

Alterations to Flatbush Avenue Terminal, Long Island, N. Y. Architects, Stuckert & Co., Crozer Building, Philadelphia. Owners, Bickford's, Inc., care of Long Island R. R., Flatbush Avenue Terminal, Long Island, N. Y. Installation of restaurant, cabinet work, bronze work, refrigeration, plastering, carpentry and mill work, steam heat, electric light, tile and marble work, painting and glazing, revolving doors, restaurant equipment, ornamental iron work. Owner taking sub-bids.

Community Building and Sunday School Building, Morgantown, N. C. Architect, Albert N. Dobbins, 1709 Arch street, Philadelphia. Owners, First Presbyterian Church of Morgantown, care of Mr. C. C. Geyer, Morgantown, N. C. Stone, one story, 70x85 feet, slate roof, wood and composition floors, steam heat, electric light, plumbing. Plans about completed. Owner will take general bids.

Kitchen Building, Maggie, W. Va. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, State Board of Control, J. S. Lakin, Charleston, W. Va. Owners taking new bids on revised plans, due October 1st.

Hall of Chemistry, Maggie, W. Va. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, State Board of Control, James S. Lakin, Charleston, W. Va. Laboratory equipment, plumbing, electric light, cabinet work. Owners taking bids, due October 1st.

Miscellaneous Contracts Awarded

Residence (alts.), Winston-Salem, N. C. Architect, Chas. Barton Keen, 338 South Smedley street, Philadelphia. Owner, R. Thurmond Chatham, Winston-Salem, N. C. Interior paneling, decorating, etc., in library, living room, dining room, halls and corridor. Contract awarded McNeill Construction Co., Schaff Building, Philadelphia, who is taking sub-bids from Philadelphia decorators. Architect taking sub-bids from local decorators.

Service Station (alts.), Tatnall street, Wilmington, Del., \$6,000. Architect, private plans. Owner, W. F. Carvell, 2325 West Eighteenth street, Wilmington, Del. General alterations. Contract awarded to Domenick Cantero, 1911 West Ninth street, Wilmington, Del.

Store and Residence (alts.), 616 King street, Wilmington, Del., \$6,750. Architect, private plans. Owner, David Levine, care of builder. General alterations. Contract awarded to H. B. Clark, 602 Orange street, Wilmington, Del.



Malia Exhibit at the Philadelphia Building Show, Winner of the Prize Cup.

A PRIZE EXHIBIT

At the recent Philadelphia Building Show, the exhibit of Thomas J. Malia, 226 W. Mentor St., Philadelphia, was awarded the cup for the best practical display. Mr. Malia is a successful and well-known builder of porch enclosures who has been engaged in this business for the past fifteen years. The Malia Exhibit, which attracted much attention, displayed a model living room enclosed in a most attractively designed booth, in the style of a fine home exterior.

Warren-Ehret Company, Philadelphia, have been appointed exclusive agents in this country for "MARTINIT" Asbestos Cement Shingles, manufactured in Holland by The Martinit Company, Ltd.

The impractical dreamers are not the architects, but the clients themselves, as a rule.

(Continued from page 564)

Besides the mortar the bond or method of laying the brick in the wall makes a considerable difference in the strength of the wall as was shown by the tests on piers made at the Watertown Arsenal.

Percentage Gain in Strength by Various Methods of Laying Brick

Method of Laying Brick	Percentage Gain in Strength
BRICKS FLAT:	
Joints broken every course ...	0
Joints broken every 6th course	7.2
BRICKS ON EDGE:	
Joints broken every course ...	43.6
Joints broken every 3rd course	57.1

As far as the real safety for all ordinary construction is concerned, it would seem as important to study the adhesion of the mortar to the bricks and the method of laying the bricks in the wall as to determine the compressive strength of the wall. The old method of stiffening walls was to make them thicker. This method got results but was not very scientific or economical. With the more modern custom of using thin walls, it seems very important to determine just what bond and just what mortar develop the maximum strength.

In connection with absorption, it was mentioned that the percentage of absorption would influence the adhesion between the mortar and the brick. This difference also should be determined.

Tensile Strength: Tests on the strength of a brick are not yet available for publication but it seems very probable that the tensile strength has a bearing not only on the compressive strength but on the modulus of rupture which is more important. This subject would be an interesting one to study because of the numerous kinds of clay and several ways of making brick, all of which might affect the tensile strength. Stiff mud bricks may be end cut or side cut and since the augering operation is the same for all cuts, the "grain" of the brick would be different in each case varying with the clay or shale.

This subject of cutting the brick in manufacture should also be studied to determine the effect of the adhesion of the brick with the mortar and consequently the effect on the strength of the wall.

Size of Building Brick and Tolerances: The Standard Specifications for Building Brick of the A. S. T. M., now state that "The Standard Size of building brick shall be $2\frac{1}{2}$ by $3\frac{3}{4}$ by 8 inches."

This size was determined upon after mature consideration and several revisions and represents not only the standard of this society but also the accepted size of all brick manufacturers associations with the exception of a $\frac{1}{8}$ inch increase in width for smooth face brick.

However, the above figures were accepted by all of these associations, Governmental Departments and others in attendance at a conference in 1923 at the Division of Simplified Practice of the U. S. Department of Commerce with this important addition, namely, that this size was considered as approximate only and represents the standard size to be aimed at by the manufacturer for the average of his entire production. Such a statement, which has been promulgated by the Division of Simplified Practice, should undoubtedly be immediately incorporated in the A. S. T. M. Specification.

In Conclusion: It is, of course, the desire of the American Society for Testing Materials and of all its loyal and hard-working Committeemen, to have its specifications and standards, which represents years of the most exacting laboratory research, many tests and exhaustive study and deliberation, referred to and used wherever and whenever possible.

I trust, therefore, that fullest encouragement and cooperation will be offered to all proper and authoritative agencies in the conducting of tests on new and old brickwork in walls and piers of all types and under all conditions sufficient to reach definite conclusions for specificational requirements covering all grades of individual brick that will insure their approximate and economic use according to structural intent or climatic exposure.

It will be a large undertaking to get the right kind and amount of data necessary, the scope of which is merely indicated in this paper. But it can be done!

COMMITTEE ON "CURBING OF BUILDINGS"

Created by American Institute of Architects

Realizing that differences now exist among architects, contractors, appraisal organizations, bonding companies, and others concerned with the size and approximate cost of buildings as to the methods used in determining the cubical contents of any structure for estimating, appraisal and other proposes, the American Institute of Architects has appointed a committee to ascertain, codify and review the various methods now in use and prepare a report to the Scientific Research Department of the Institute.

This Committee which is known as the "Sub-Committee on Cubing of Buildings" of the Structural Service Committee of the Institute is composed of D. Knickerbacker Boyd, Chairman, Dr. Warren P. Laird, Philadelphia, and Dalton J. Snyder, Detroit.

It is the desire of the committee to receive the co-operation of all Associations, Companies and individual authorities in developing methods of cubing various buildings which may be accepted

by the Building Industry and used by all as common basic factors.

Suggestions or information relating to this subject which will assist the committee and the industry will be welcomed. They should be sent to D. Knickerbacker Boyd, Chairman, 112 South 16th St., Philadelphia, Pa.

FINE GROUND CEMENT MAKES STRONG CONCRETE

New light on how fine-grinding of cement makes concrete stronger is given by a ten year research just completed at the Bureau of Standards, Department of Commerce. Experiments prove that fine-grinding makes concrete stronger, especially if greater amounts of cement are used with the sand and gravel. The same

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increase may be obtained as economically through the use of more cement.

The research is part of a larger program of bureau research on useful properties of materials and how they may be enhanced. That fineness is a vital characteristic of Portland cement has long been known, but data were lacking as to the exact effect of such fineness on Portland cement over long periods of time. These data are now available.

Ten years ago test cylinders of concrete were made up of five brands of cement and Potomac river sand and gravel. These were first kept in moist air 28 days, then exposed to Washington weather for periods up to 10 years. Specimens broken after 6 months, 1, 2, 3, 5 and 10 years showed greater strength compared with similar specimens made of normal cement. The older specimens showed less increase but the result is conclusive; fine grinding of the cement increases the strength of the concrete, especially with rich mixes.

As the industry grew, the fineness has increased until at present under the national specification or quality standard 78 per cent. passes through a standard cement sieve having 40,000 openings per square inch.

NEW METHOD FOR MEASURING STRAINS IN CONCRETE STRUCTURES

Some time ago the Bureau of Standards, Department of Commerce, brought out what is known as an "electric telemeter" for measuring changes in the length of structural members produced by variations in the load upon the structure. The operation of the telemeter depends upon the variations in resistance to the passage of an electric current of a stack of carbon disks. This is the same principle as that employed in the microphone in the transmitter (the part we talk into) of the telephone. There is, therefore, nothing new in the principle employed, but the Bureau was the first to apply this principle to a precision measuring instrument.

Recently a new use has been found for this device in the measurement of the strains in mass concrete. For this purpose a special cartridge has been designed which houses the stack of carbon disks, and which is embedded in the concrete at the point where the measurement is to be made. Wire leads extend to the surface and are carried to some convenient point where the indicating instruments are placed. These instruments are calibrated to show any deformation in the concrete due to loading.

The instrument will shortly be used in an investigation which is to be carried out by a special committee sponsored by the Engineering Foundation on a dam to be erected at Fresno, California.

WHAT IS AMPLE TIME TO TAKE OFF QUANTITY AND PREPARE BID?

Recently, the members of the South Carolina Chapter of Associated General Contractors of America arrived at the conclusion that architects were not allowing contractors sufficient time within which to estimate plans and specifications and prepare bids. They were of the opinion that, in fairness to owners and themselves, a sufficient length of time should be allowed for estimating to avoid unfairness to both. A committee was appointed by this Chapter to make a study of the situation and submit its report. Following careful investigation and compilation of data submitted by a large number of members, the committee submitted a report which they believe will give contractors a fair shake.

A reprint appearing in the *California Constructor* with reference to the above, is herewith submitted.

Associated General Contractors
of America
Southern California Chapter
To the Architects of Southern California.

Gentlemen:

We are sure you will respond with your hearty cooperation when a reasonable request is made for standardization of some of the practices in the contracting and building business. Our immediate problem is to obtain building plans in time to properly prepare contractors' bids. We all know instances where both architects and contractors were rushed to put in long hours of night work to complete their work a few days earlier to please the owner, who then delayed the proceedings indefinitely or abandoned the work entirely. "Undue haste makes waste," is an old but true saying.

Some architects have assured us that they consider the accompanying schedule of time required for preparation of bids as being not only reasonable but a minimum for careful work such as we wish them to receive. The following article is taken from the *California Constructor*. We will appreciate your assistance in establishing this better practice.

Yours very truly,
E. EARL GLASS, *Exec. Sec'y.*

CONTRACTORS ATTENTION, PLEASE

Ever since designers first began to put their ideas on paper in the form of plans, there has probably been a wide variance in the time allowed for the contractors to prepare their estimates. The designer holds firmly to the belief that the contractor would put his plans aside until the day before bids are to be taken and then call for more time, even if he got them a month before the opening, while the contractor claims that the architect ponders over his job for months and then

expects the bids the following Monday morning at ten o'clock, while he takes the Saturday afternoon off for golf.

Of course both are wrong but there is a middle ground where we can meet and the A. G. C. Chapter has prepared a schedule of time required for preparing bids, to serve as a guide to all concerned. It is not held that such time can be predicted to the day, but we ask all Southern California Architects to save this list and use it as far as possible in allowing sufficient time for proper preparation of building estimates. We thank you.

Class	Class of Structure	\$25,000	\$25,000	\$50,000	\$100,000	\$200,000	\$400,000	Over
			To	To	To	To	To	
A—Theatres, Large Schools, Clubs, Hospitals, Banks, Churches	8	10	12	14	16	22	30	
A—Hotels, Office Buildings, Apartments	7	8	10	12	14	18	24	
A—Factory and Loft Buildings, Warehouses	7	8	9	10	11	16	20	
C—Theatres, Schools, Churches, Clubs, Banks, Hospitals	8	9	10	11	12	18	..	
C—Apartments, Flats, Office Buildings, Stores	7	8	9	9	10	16	..	
C—Warehouses, Garage Buildings, Factories	7	7	7	8	8	..	..	
D—Sheds, Warehouses	6	8 to 10	..	..	..	..	..	
D—Residences, Flats	6	8 to 10	..	..	..	..	..	

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Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XL, No. 37
September 16, 1925

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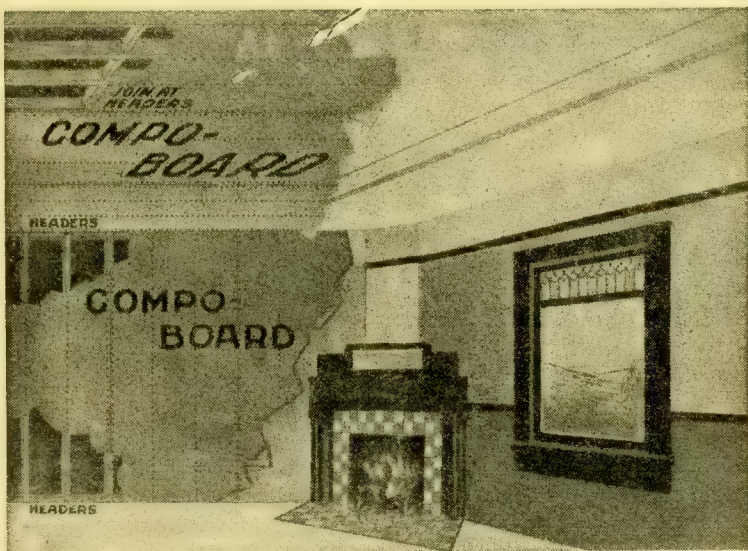
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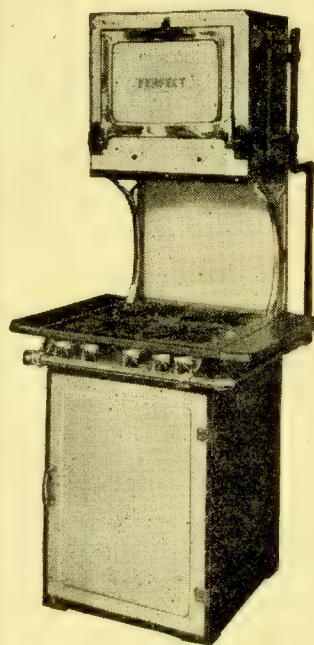
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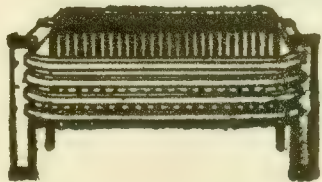
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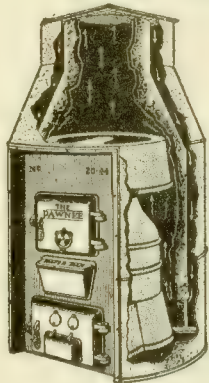
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XL
Number 37

PHILADELPHIA
September 16, 1925

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

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As The Editor Sees It



DO WE BUILD TO BURN?

By Virgil G. Marani, C. E., M. Am. Soc.
C. E., Chief Engineer The Gypsum
Industries

Of striking interest to the general public is the January, 1925, issue of "Safeguarding America Against Fire," published by The National Board of Fire Underwriters, which lists in detail the amazing and preventable fire loss in the United States during 1923. Commenting on this national waste of materials and labor, under caption "A New World's Title for America," the editorial states:

"World titles are no strangers to Americans. The soil of America seems fallow for their birth and the spirit of America favorable to their nurture. Only—among the concentration here of championships of the 'bests' in this and the 'highest' in that, there are, unfortunately, a few 'worsts,'—'world worsts.' One of these is the national fire loss.

"Nowhere in that part of the universe known to be inhabited is there an amount of burning to be compared to that in America. This is a distinction, of course but it is a wretched one, especially for a country which makes proud boast of progress. Material progress is born of shrewd concern for the future; and what kind of thought for the future can it be that a people takes when it continues year after year literally to burn it up? In the last analysis all destruction by fire, whether it means the affacement of natural resources or of improved property,

constitutes a burning not only of what is, but of what might be, in time to come."

The foregoing quoted matter is certainly food for sober thought especially since the statements, harsh as they may seem, are supported by the tabulations of the Actuarial Bureau of the National Board of Fire Underwriters which, for the year 1923, reports the value of fire consumed property at \$535,372,782, an average of \$1,466,775 daily, or \$1,019 a minute. Also the fire loss in America during 1903 was \$145,302,155. This preventable waste has increased 269 per cent during a period of twenty years in spite of many commendable efforts to raise the standard of building construction through the enactment of laws and ordinances.

Accepting the fact that no substance will burn unless it is set on fire, it is safe to state that in a large majority of instances most of the annual fire waste is due to strictly preventable causes such as defective chimneys and flues, fireworks, etc. gas, open fires, ignition of hot grease and oils, etc., matches and smoking, open lights, petroleum and its products, rubbish and litter, sparks on roofs, steam and hot water pipes, stoves, furnaces and boilers. Of the fire losses reported for 1923, more than \$29,000,000 was wasted, irrevocably lost, through the careless use of matches and smoking, and defective chimneys and flues were responsible for a fire waste loss of more than \$20,000,000.

It is not necessary, for the purpose of this article, to list each of the preventable and partly preventable fire losses, but

with an annual fire loss of considerably more than half a billion dollars, and the consequent tax levy to install and maintain adequate fire departments and fire fighting apparatus, a new world's title for America might be—"We Build to Burn."

Building code legislation throughout the states does not provide sufficient fire protection regulations for the non-fire-proof (combustible) structure. In support of this statement attention is directed to the 1925 report of the National Fire Protection Association's Committee on Building Construction, which is a complete set of specifications for the residence class of buildings. It is safe to state that if the recommendations of this report, which are not impossible or prohibitive, were enforced as a part of the building regulations of every city, the fire loss, for the types of construction covered, would be reduced at least 75 per cent.

Considering types of building construction generally, and the commonly used materials intended to increase the fire resistance, there is no non-metallic mineral substance that is making greater headway, and is more universally recognized as fit for the purposes intended, than gypsum. In the first place this mineral is extremely economical and abundant, being produced in eighteen of the United States, and Alaska, as well as being imported from Nova Scotia, New Brunswick, and Ontario, Canada. At this time the annual consumption of gypsum

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for building purposes is more than four million tons. For various purposes and in different forms gypsum structural products are approved by the Underwriters' Laboratories, Inc. In view of the foregoing, and with due consideration of commonly accepted and prevailing types of construction that involve the use of gypsum in all or any one of the forms in which this product is marketed, the following will prove of interest:

(1) *In the Construction of Fireproof Buildings*

The essentials necessary in this type of construction are the use of materials, and combination of such, which will afford the greatest possible degree of fire resistance. Since the average temperature of a fire in a well filled structure has been found to be about 1700 degrees Fah., it will be readily seen that under such a degree of heat it is only a question of time until materials regarded as "fireproof" will be destroyed. In other words, and strictly speaking, there is no material or construction which is actually "fireproof" since high temperatures and time will destroy anything known to man.

The features aimed at in the assembling of materials for the fireproof (so called) building are:

(a) The thorough and complete protection from fire of any steel members used to carry loads.

(b) Floor construction of incombustible materials which will resist a time-temperature fire and water test for four hours. The test to be carried out in accordance with the specifications for such of the American Society for Testing Materials.

(c) Roof construction equal to the fire test requirements for floor construction or, in some cases, constructed of incombustible materials without regard to the degree of fire-resistance.

(d) The fire protection of steel columns and trusses for a period of two, three or four hours time-temperature fire

and water test, depending on the use to which the building is put. The apartment house or hotel would require but a two hour fire test, while the storage warehouse should have the steel supports protected for a period of three or four hours.

(e) According to the use to which the building is put there should be well defined restrictions of floor area between fire walls.

(f) Dividing partitions should be of fire-resistance or incombustible materials. Between separate tenancies they should resist a time-temperature fire and water test for two hours.

(g) The walls of public corridors and similar horizontal exits should be of incombustible materials which will resist a time-temperature fire and water test for a period of two or three hours depending on the occupancy of the building. In the case of a theatre, hospital, asylum, and buildings of like character the fire test should be for the three hour period.

(h) Important vertical openings, such as stairway and elevator shafts, should be enclosed with construction of not less fire-resistive value than required for public corridors and similar horizontal exits.

(i) In the best fire-resistance (fireproof) construction, openings through fire walls, dividing partitions between separate tenancies, and the enclosures to vertical shafts, should be equipped with fire doors capable of resisting the standard fire and water test for a period of not less than one hour.

(j) Wainscoting, framing and trim of all doors and windows, as well as the doors, should be of metal in cases where the greatest possible fire resistance is desired. Wooden floors are often prohibited. Where woodwork is permitted it must be in close contact with the fire-resisting or incombustible material. Concealed air spaces must not be allowed where combustible materials are used.

In the foregoing, which outlines the

(Continued on Page 589)

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Office Building, Sydenham and Walnut Sts., Philadelphia. Associate Architect and Engineer, Heacock and Hokanson, 1211 Chestnut Street, and The Ballinger Co., Twelfth and Chestnut Streets, Philadelphia. Architects taking bids due Sept. 24th at 11 A. M.

College Building and Monastery, Fifty-fourth and City Line, Philadelphia, \$1,500,000. Architect, F. Ferdinand Durang, 1220 Locust Street, Philadelphia. Owner, St. Joseph College, Rev. Albert G. Brown, S. J., Pres., 17th and Styles Street, Philadelphia. Local stone, reinforced concrete and steel, fireproof, 2, 3 and 4 stories, 170x186 feet, 150x274 feet, central heat, electric light, tile and marble work, slate roof, hardwood floors and trim, metal casements. Plans in progress. Architect will take bids Jan. 1st, 1926.

Residence Operation, Fifty-ninth and Kingsessing Avenue, Philadelphia. Architect, private plans. Owner, Shapiro and Reed, Fifty-seventh and Pentridge Sts., Philadelphia. Brick, 2 stories. Plans in progress.

Parochial School, Fourth and Brown Streets, Philadelphia. Architect, Peter F. Getz, Victory Building, Philadelphia. Owner, St. Agnes Slovak Church, Rev. J. L. Yorke, on premises. Stone, brick, cut stone, concrete, 3 stories and basement, 101x57 feet, steam heat, electric light, metal lath, marble work, rolled steel sash, bond, ornamental iron work, iron stairs, slag roof, pine, cement and maple floors, plumbing, metal weatherstrip and ceiling, metal partitions, granite, composition stair treads, ornamental plaster. Architect taking revised bids due Sept. 22nd, 1 P. M.

Building (alts. and add.), 3714 Chestnut Street, Philadelphia. Architect, Furness Evans and Co., 315 South Fifteenth Street, Philadelphia. Owner, John Elias & Son, 715 South Twenty-first Street, Philadelphia. Concrete work, brick work, ornamental terra cotta, cut stone, limestone plastering, slag roof, painting and glazing. Owner will build.

Test Borings, City Hall Annex, Juniper and Filbert Streets, Philadelphia. Owner, Dept. of Public Work, Bureau of City Property, 216 City Hall. Owner taking new bids due Sept. 22nd for further information inquire Room 117.

Factory (add.), Frankford avenue and Wilkey street, Philadelphia. Architect, Wil-

liam Lowenthal, 1208 Chestnut street, Philadelphia. Owners, Jacob Bloom Co., 1049 Frankford avenue, Philadelphia. Brick, slow burning, 4 stories, 30x100 feet, wing 20x50 feet, asphalt roof, reinforced concrete and maple floors (heating, lighting and sprinkler system reserved), freight elevators, plumbing. Plans in progress.

Nurses Home, Huntingdon, between Front and A streets, Philadelphia. Architects, Stewardson & Page, 315 South Fifteenth street, Philadelphia. Owners, Episcopal Hospital, C. J. Gill, secretary, on premises. Brick, stone, steel, concrete, 4 stories, 35x52 feet. Plans about completed. Architects will be ready for bids in three weeks.

Store and Apartment (alts.), Torresdale and Longshore streets, Tacony. Architect, Eugene A. Stopper, 10 South Eighteenth street, Philadelphia. Owner, Paul E. Costello, Tacony, Pa. Interior alterations. Owner will build.

Boat House, East River Drive, Fairmount Park, Philadelphia. Architect, Edward F. Hoffman, Jr., 315 South Fifteenth street, Philadelphia. Owners, Penn Athletic Club, Eighteenth and Rittenhouse Square, Philadelphia. Brick, cut stone, steel, 2 stories, 86x70 feet, variegated slate and slag roof, cement and maple floors, copper skylights, bond, ornamental iron work, flagstone (heating, plumbing, electric, electric fixtures, lockers, gas range, refrigerator, incinerator, laundry equipment reserved). Bids due October 5th at noon at Penn Athletic Club's business office, 929 Chestnut street, Philadelphia.

Sales and Service Building, East side of Broad above Allegheny avenue, Philadelphia. Architect, Philip S. Tyre, 114 S. 15th street, Philadelphia. Owners, Packard Motor Co., 319 North Nineteenth street, Philadelphia. Reinforced concrete, brick, steel, 3 or 4 stories, 200x265 feet. Preliminary plans completed.

Theatre, Ogontz avenue, Church lane and Limekiln pike, Philadelphia. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Associate architects, Hoffman-Henon, Inc., Finance Building, Philadelphia. Brick, steel, cut stone, gypsum and Barrett Specification roof, cement and pine and maple floors, hollow tile, dampproofing, architectural terra cotta, ornamental iron, floor hardener, bond, tin-clad and kalamein

doors, hollow metal sash, tile, marble and terrazzo, metal lath, bronze work, integral waterproofing. Revised plans in progress.

Alterations and Additions (new 7th and 8th floors), 1417-27 Arch street, Philadelphia. Architects, Building Bureau, Y. M. C. A., 1417-27 Arch street, Philadelphia. Owners, Y. M. C. A., Mr. Reinking, on premises. Brick, 7th and 8th floors, 134x21 feet, slag roof, cement floors, metal lath, marble and terrazzo work, hollow metal sash, galvanized iron skylights, kalamein doors, bond, iron stairs, ornamental iron work, architectural terra cotta, bluestone, mail chute (waterproofing, weatherstripping, hardware, painting and glazing, except where called for in specifications, electric work, heating, plumbing reserved). Owners taking bids due September 21th.

Stores and Offices, Twenty-second and Market streets, Philadelphia. Architects, Silverman and Levy, Elrae Building, Philadelphia. Owner, H. H. Hirsh, care of architect. Artificial stone and brick, 2 stories and basement, 20x90 feet, slag roof, oak and cement floors, steam heat, electric light, metal lath, marble and terrazzo floors, ornamental iron work, copper bars. Architects taking bids due September 17th.

Alterations to Store and Offices, Southeast Corner Eighth and Market streets, Philadelphia. Architects, Silverman & Levy, Elrae Building, Philadelphia. Owner, Charles Ulin, care of architect. Plumbing, sheet metal work, leaded glass, electric work, brick, stucco, oak floors, metal lath, tile and marble work, rolled steel skylights, kalamein doors, copper bulk windows, cement and concrete work (heating reserved). Architects taking bids due September 17th.

Manufacturing Building (alts.), 319 South Darien street, Philadelphia. Architect, Gabriel Roth, 1629 Chestnut street, Philadelphia. Owners, L. Pellegrini & Co., on premises. Brick work, structural steel, steel sash, carpentry and mill work, stair work, cement work, finished hardware, painting and glazing, slag roof, copper skylight, bond (plumbing, heating, electric light, elevator reserved). Architect taking bids.

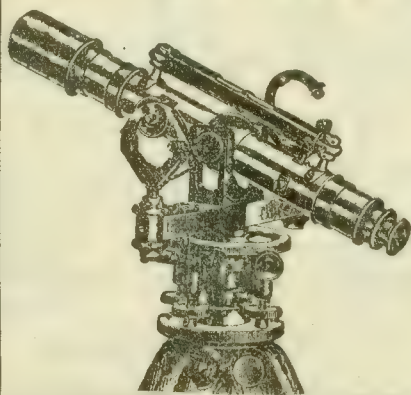
Apartment House, Northwest Corner Emlen and Lincoln Drive, Philadelphia. Architect, Charles E. Oelschlager, 1615 Walnut street, Philadelphia. Owner, name withheld. Brick, steel, slow burning, 4 stories, 28 apart-

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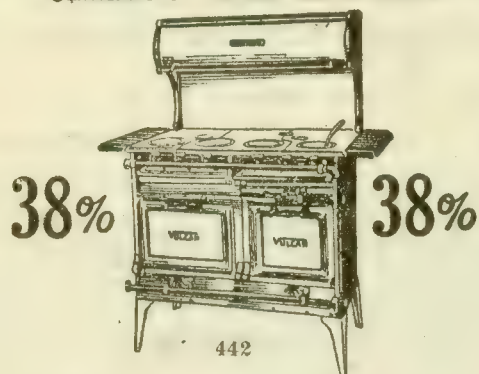
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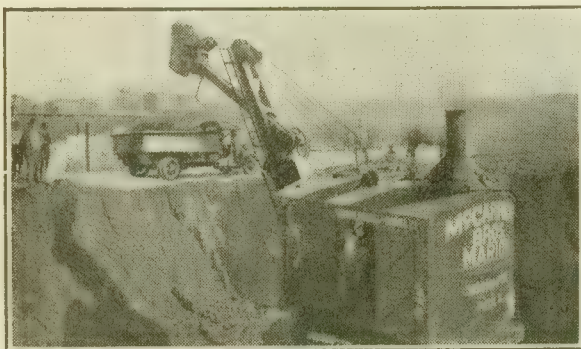
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Residences (18), Store (1), 5325-59 Akron street, Philadelphia, \$72,800. Architect, private plans. Owner, Martin P. Newell, 3010 Tulip street, Philadelphia. Brick, 2 stories, (17) 16x25 feet, 13x11 feet, (1) 16 feet 8 inches c 36 feet, slag roof, hot water heat, electric light. Permit granted.

Residences (46), Thirty-third and Hilton streets, Philadelphia, \$128,500. Architect, private plans. Owner, Fred S. Park, Seventeenth and Moyamensing avenue, Philadelphia. Brick, 2 stories, various sizes, pine floors, hot water heat, electric light. Permit granted.

Work Shops, East side Upland Way, South of Woodbine avenue, \$11,000. Architects, Price & Walton, 119 South Fourth street, Philadelphia. Owner, Milton W. Young, 2037 North Sixty-third street, Philadelphia. Brick, 2 stories, 36x60 feet, slag roof, pine floors, electric light. Permit granted.

Residences (29), Bowman street and Henry avenue, Philadelphia, \$131,000. Architect, private plans. Owner, Samuel D. Levin, 406 City Center Building, Philadelphia. Brick, 2 stories, 16x38 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residences (2), West side Vandyke street, North of Friendship street, \$4,500 each. Architect, private plans. Owners, De Pandro Brothers, 7123 State road, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Store and Residence (add.), 1014 Cottman street, Philadelphia, \$4,000. Architect, private plans. Owner, Harry Smith, 1016 Cottman street, Philadelphia. Brick, 2 stories, 16x22 feet, slag roof, pine floors, electric light. Permit granted.

Residence, Northeast Corner Camac and Medary avenues, Philadelphia, \$13,000. Architect, private plans. Owner, Jacob N. Allen, 508 Real Estate Trust Building, Philadelphia. Brick, 2 stories, 39x32 feet, hardwood and pine floors, hot water heat, electric light, tile work. Permit granted.

Residences and Stores (2), Southwest Corner Torresdale avenue and Vincent street, \$5,000 each. Architect, private plans. Owner, Antonio De Marko, 3601 Princeton avenue, Philadelphia. Brick, 2 stories, 17 feet 10 inches x 52 feet, 17 feet 10 inches x 8 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Garage and Work Shop, 4618-20 Sydenham street, Philadelphia, \$5,500. Architect, private plans. Owner, Frank Radomski, 4329 North Sixteenth street, Philadelphia. Brick, 1 story, 46x89 feet, slag roof, cement floors. Permit granted.

Garage, 4622-24 Sydenham street, Philadelphia, \$2,000. Architect, private plans. Owner, Frank Radowski, 4329 North Sixteenth street, Philadelphia. Brick, 1 story, 25x17 feet, slag roof, cement floors. Permit granted.

Residences (20), Hunting Park avenue, Nelson, Ormond and O streets, \$132,600. Architect, private plans. Owner, August Oliver, 1530 South Fifteenth street, Philadelphia. Brick, 2 stories, 15x38 feet and 16x38 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Garage, Southwest Corner Second and Fishers avenue, Philadelphia, \$30,000. Architect, private plans. Owner, Cyandin, 5934 Baltimore avenue, Philadelphia. Brick, 2 stories, 50x100 feet, slag roof, cement floors, electric light. Permit granted.

Apartment House (alts. and add.), 4522 Osage avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Samuel S. Silverman, 803 Land Title Building, Philadelphia. Brick, 2 stories add., 21x193 feet, general alterations. Permit granted.

Garage, North side Mifflin street, West of Point Breeze avenue, \$2,500. Architect, private plans. Owner, J. Leslie Shoppe, 1836 Point Breeze avenue, Philadelphia. Brick, 1 story add., 60x17 feet 6 inches, slag roof, cement floors, electric light. Permit granted.

Shed, South side Allegheny avenue, East of Burd street, Philadelphia, \$2,000. **Shed,** South side Allegheny avenue, East of Richmond street, Philadelphia, \$2,000. Architect, private plans. Owner, James Trimble, 2556 East Somerset street, Philadelphia. Brick, 1 story, 60x100 feet each. Permit granted.

Improvements of Cedar Park, Forty-ninth and Baltimore avenue, Philadelphia. City architect, John Molitor, Bankers' Trust Building, Philadelphia. Owners, Department of Public Works, Bureau of City Property, Philadelphia. Low bidders: J. Joseph McHugh, 1617 Race street, Philadelphia, \$3,275, \$2,220; Conneen Const. Co., 2315 Walnut street, Philadelphia, A \$5,900, B \$2,100.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Engineers, 232 City Hall. Low bidders: Contract No. 764, Cheltenham avenue, Oak Lane Reservoir, Peter & A. J. Ellis, 5724 North Marshall street, Philadelphia, \$49,083. Contract No. 772, railroad siding, Torresdale Filters, Jacob R. Fox, Jr., 2620 West Fletcher street, Philadelphia, \$4,500.

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Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Building (alts.), 1220-24 Sansom Street, Philadelphia. Architect, The Ballinger Co., Twelfth and Chestnut Streets, Philadelphia. Owner, Title Company of Philadelphia, on premises. Brick, hollow tile, cut stone, reinforced concrete, kalamein doors, hollow metal doors, steel sash, reinforced concrete steel sash, steel and iron work, ornamental bronze, metal lath, plastering and marble terrazzo work, painting and glazing, plumbing, hardware Byers or Reading wrought iron pipe. Contract awarded H. John Homan Co., 18th and Cherry Streets, Philadelphia.

Garage, 965 North Eighth street, Philadelphia, \$60,000. Architect, private plans. Owner, B. Cohen, 309 South Broad Street, Philadelphia. Brick, 2 stories, 76x114 feet, slag roof, cement floors, electric lighting. Contract awarded to H. Helenick, 1643 North Marshall Street, Philadelphia.

Greenhouse (add.), East side Front St., south of Wingohocking street, \$3500. Architect, private plans. Owner, M. Elwell, on premises. Brick, 1 story addition, 40x44 feet. Contract awarded to Wm. Ashby, Fox Chase, Pa.

Residence (add.), 1703 Christian St., Phila., \$2,750. Architect, private plans. Owner, Nellie K. Green, on premises. Brick, 3 stories addition, 13x17 feet 9 inches, slag roof, pine floors. Contract awarded to Samuel D. Brown, 917 South Seventeenth Street, Philadelphia.

Store and Residence (alts. and add.), 6113 Woodland Avenue, \$2,500. Architect, private plans. Owner, Joseph Yudin, on premises. Brick, 2 stories addition, 15x12 feet, general alterations. Contract awarded to Benj. Tillinger, 1551 N. 6th Street, Phila.

Stores and Residences (2), Residences (10), Algard and Deveraux Streets, Philadelphia, \$77,000. Architect, private plans. Owner, F. W. Starkey, 1669 Bridge St., Philadelphia. Brick, 2 stories, (2) 15x37 feet, (10) 14x28 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Senior High School, Seventeenth and Luzerne streets, Philadelphia. Architect, Irwin T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, cut stone, steel, reinforced concrete, 5 stories and basement, 322x228 feet (plumbing, heating, lighting, elevators, ventilators separate), promenade tile and asbestos slate roof, composition roof, concrete, maple, oak and pine floors, hollow tile, painting and glazing, safety treads, roof ventilators, metal ceilings, waterproofing and dampproofing, metal lath, tile and marble work, rolled steel sash and skylights, hollow metal doors, asphalt floors, floor hardener, bond, iron stairs, ornamental iron work, mastic asphalt floors, granite, steel partitions and doors, membrane waterproofing, ornamental plaster, composition floors, cold water

painting. Contracts awarded: McCloskey Co., 1620 Thompson street, \$1,659,659. Electric, J. J. Buchanan Co., 1904 Sansom street, Philadelphia, \$115,432. Ventilating, Gerbrick & Kaufman, 44 North Second street, Philadelphia, \$12,450. Plumbing, William Ambrose, Leverington and Umbria streets, Philadelphia, \$85,909. Heating, Thompson Brothers, 530 Buttonwood street, Philadelphia, \$240,500.

Office Building, Thirty-second and Market streets, Philadelphia. Architects, Graham, Probst, Anderson & White, Railway Exchange Building, Chicago. Owners, Pennsylvania Railroad Company, care of A. C. Shand, Broad Street Station, Philadelphia. Brick, steel, granite, reinforced concrete, 14 stories and basement, 150x250 feet, promenade tile and composition roof, cement floors, hollow tile, elevators, plumbing, roof ventilators, metal weather strips, waterproofing and dampproofing, architectural terra cotta, ornamental iron work, iron stairs, bond, kalamein doors, rolled steel skylights, tile, marble and terrazzo work, metal lath, steam heat, electric light, membrane waterproofing, mail chutes, rolled steel shutters, wrought iron pipe. Contract awarded Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Apartment House, Northwest Corner Emelen and Lincoln Drive, Philadelphia. Architect, Charles E. Oelschlager, 1615 Walnut street, Philadelphia. Owner, name withheld. Brick, steel, slow burning, 4 stories, 28 apartments, vapor heat, oil burning equipment, electric light and telephone, tile and marble work, slag roof, hardwood and tile floors, electric elevators, refrigeration, fire doors and fire tower. Contract awarded E. J. Kreitzburg, 1333 Arch street, Philadelphia, who is taking sub-bids.

Automobile Sales Rooms and Garage, Cheltenham avenue and Knox street, Philadelphia. Architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owner, Clarence Brown (Studebaker Sales Co.), care of architect. Brick, cut stone, steel, 1 story, 160x50 feet, slag roof, cement and oak floors, plumbing, roof ventilators, ornamental iron work, metal bulks, rolled steel skylights, tile and marble work, rolled steel sash, metal lath, steam heat, precast stone, Mt. Airy granite, Morene wall finish, metal lockers, iron pipe. Contract

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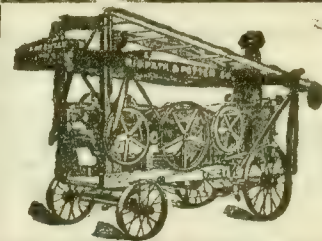
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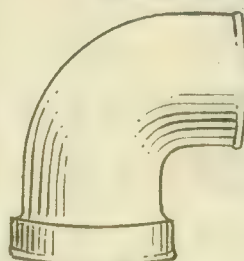
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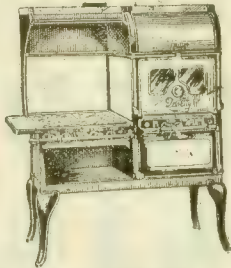
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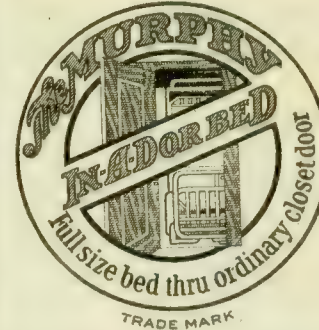
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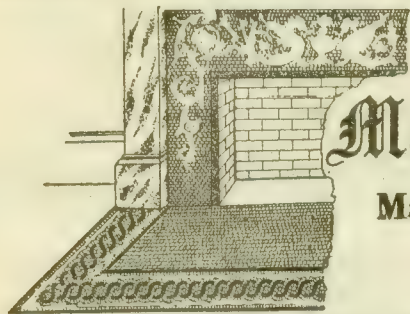


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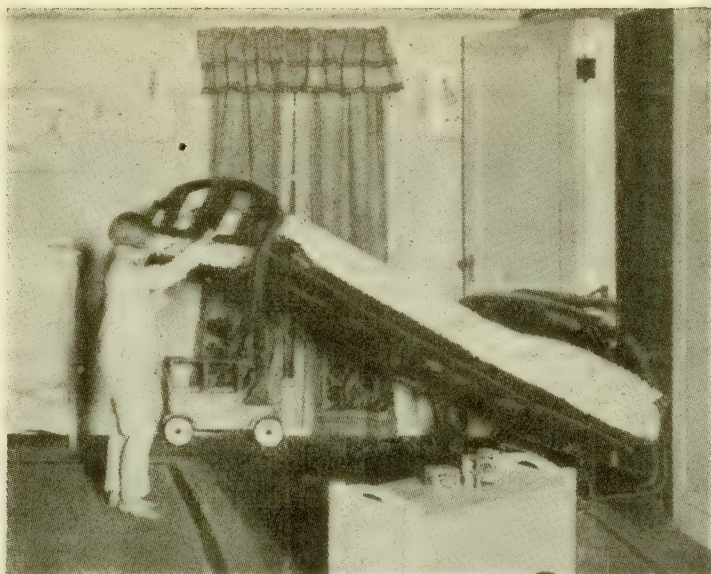
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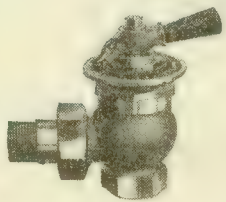
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Store and Loft Building, 437-39 South street, Philadelphia, \$47,000. Architect, Gabriel Roth, 1629 Chestnut street, Philadelphia. Owners, Estate of Louis Mark, 437 South street, Philadelphia. Brick, steel, limestone, 3 stories and basement, 62x28 feet, slag and Spanish tile roof, maple, oak and cement floors, metal ceilings, sidewalk elevators, ornamental iron work, bond, rolled steel doors, tile, marble and terrazzo, skylights, metal lath, steam heat, electric light. Contract awarded to David Lutz & Co., Twenty-third and Chestnut streets.

Store (alts.), 1101 Chestnut street, Philadelphia, \$5,000. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Girard Estate, on premises. Alterations to first floor and basement, carpentry, mill work, painting, glazing, structural steel, marble work. Contract awarded to E. H. Keefer & Son, 1321 Rodman street, Philadelphia.

Residence (alts.), 309 South Smedley street, Philadelphia, \$3,500. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, Paul M. Rosenwey, Land Title Building, Philadelphia. Brick, 3 stories add., 15x11 feet, slag roof, hardwood floors (heating and plumbing reserved). Contract awarded to Albert Zellfelder, 1324 Walnut street, Philadelphia.

Residence and Garage (alts. and add.), 4703 Kingsessing avenue, Philadelphia. Architect, W. H. Cookman, Broad Street Station, Philadelphia. Owner, name withheld. Brick, stucco, steel, cut stone, 3 stories, 46x35 feet (electric, plumbing and heating reserved), slag roof, cement and composition and oak floors, metal lath, kalamein doors, cement work, carpentry and mill work, plastering, painting and glazing, hardware. Contract awarded Fred A. Havens Co., 845 North Nineteenth street, Philadelphia.

Apartment House, West side of Broad street, North of Chelton avenue, Philadelphia. Architect, E. A. Roth, Drexel Building, Philadelphia. Owner, care of architect. Brick, steel, 4 stories, 82x142 feet (32 apartments), vapor heat, electric light, tile and marble work, hollow metal skylights, fire and kalamein doors, ornamental iron work, slag roof, hardwood, tile and marble floors, elevators. Plans about completed. Contract awarded without competition, Alexander Laub Co., 812 West Wyoming avenue, Philadelphia.

Residence and Garage, Chestnut Hill, Pa. Architect, Robert Rodes McGoodwin, 1600 Walnut street, Philadelphia. Owner, William P. Newhall, 427 Mannheim street, Philadelphia. Stone, 2½ stories, 47 feet 8 inches x 35 feet 4 inches, slate roof, hardwood floors, vapor heat, electric light, tile work, flagstone. Contract awarded John E. Walt, 204 East Willow Grove avenue, Philadelphia.

Auto Repair Shop, Northeast Corner Robertson and Girard avenue, Philadelphia. Architect, private plans. Owner, Ray Whipple, on premises. Brick, galvanized iron cornice, mill work, paving, glazing, 1 story, 25x40 feet, slag roof, cement floors, steel sash (plumbing, heating and electric reserved). Contract awarded Ketcham & McQuade, 1029 Brown street, Philadelphia, \$5,000.

Residence and Garage, Henry street above Coulter street, Philadelphia. Architect, Henry King, 6752 Germantown avenue, Philadelphia. Owner, Edgar E. Wikoff, 6200 Baynton street, Philadelphia. Brick, stone, 2½ stories and

basement, 44x25 feet, blue gray slate roof, oak and yellow pine floors, metal weather strip, ornamental iron work, bond, tile and marble work, metal lath, electric light, ornamental plaster, plumbing, wrought iron pipe. Contract awarded S. Harting & Son, 20 East Johnson street, Philadelphia.

Garage, Wissahickon avenue, North of School Lane, Philadelphia, \$70,000. Architect, private plans. Owners, Alden Park Manor, Inc., care of builders. Reinforced concrete, 1 story, 105x109 feet, concrete roof and floors, electric light, steam heat. Contract awarded to Kenneth M. DeVos & Co., Wissahickon and Chelton avenues, Philadelphia.

Warehouse, North side Germantown avenue, South of Allegheny avenue, \$8,000. Architect, private plans. Owners, S. Margolis Co., Thirty-first and Germantown avenue, Philadelphia. Brick, 3 stories, 50x26 feet, slag roof, electric light, steam heat. Contract awarded to A. H. Moorshead, 67 Laurel street, Philadelphia.

Residence, Southwest Corner Haines and Ardleigh streets, Philadelphia, \$6,800. Architect, private plans. Owner, Evelyn Spitzer, 6517 Lambert street, Philadelphia. Brick, 2 stories, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Penn Building Co., 2029 Stenton avenue.

Store and Residence, Northwest Corner Castor road and Englewood street. Architect, Peter F. Getz, Victory Building, Philadelphia. Owner, Maria Schmidt, Front and Jefferson streets, Philadelphia. Brick, 2 stories, 18x66 feet 6 inches, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Frederick Schmidt, 4438 North Reese street.

Warehouse (alts.), Roosevelt Boulevard, Philadelphia, \$13,000. Architects, George C. Nimmons & Co., 122 South Michigan avenue, Chicago, Ill. Owners, Sears-Roebuck Co., on premises. General alterations. Contract awarded to Turner Const. Co., 1713 Sansom street, Philadelphia.

Warehouse (alts.), Southeast Corner Second and Erie avenue, Philadelphia, \$5,000. Engineers, Stofflet & Tillotson, Wesley Building, Philadelphia. Owners, Certain-Teed Products Co., on premises. General alterations. Contract awarded to Stofflet & Tillotson, Wesley Building, Philadelphia.

Store and Residence (alts. and add.), 1532 Columbia avenue, \$4,000. Architect, private plans. Owner, M. A. Thomas, 1733 Berks street, Philadelphia. Brick, 1 story add., 4x30 feet 2 inches, general alterations. Contract awarded to Frank I. Wintz, Inc., 1618 North Twenty-seventh street.

Parish House, South Mussy street, North of Bustleton avenue, Philadelphia, \$17,000. Architect, private plans. Owners, Lower Dublin Baptist Church, Bustleton, Pa. Concrete blocks, 1 story, 39 feet 4 inches x 89 feet 4 inches, electric light, hardwood and pine floors. Contract awarded Charles T. Ely, Somerton, Pa.

Residence, 170 Gay street, Philadelphia, \$8,000. Architect, private plans. Owner, Mary Swalla, 172 Green Lane, Philadelphia. Brick, 2 stories, 16x52 feet, hot water heat, slag roof, hardwood and pine floors. Contract awarded C. M. Swartley & Son, 6835 Ridge avenue, Philadelphia.

Store and Storage (add. and alt.), 620 North Second street, Philadelphia, \$7,000. Architect, private plans. Owner, Sol. Dolgien, 632 North Second street, Philadelphia. Brick, 2 stories, 16x32 feet, general alterations. Contract awarded A. H. Moorshead, 67 Laurel street, Philadelphia.

Store and Residence (alts.), Northwest Corner Twelfth and Jefferson streets, Philadelphia, \$6,500. Architect, private plans. Owner, S. P. Glass, 1500 North Twelfth street, Philadelphia. General alterations. Contract

awarded Israel Backarrok, 314 Greenwich street, Philadelphia.

Store and Residence (add. and alts.), 1710 West Columbia avenue, Philadelphia, \$5,500. Architect, private plans. Owners, D. Amelio Brothers, 1637 Columbia avenue, Philadelphia. Brick, 2 stories, 13 feet 6 inches x 10 feet, general alterations. Contract awarded Hugh Hazlett & Sons, 1701 North Twentieth street, Philadelphia.

Store (add.), 2405 South Broad street, Philadelphia, \$2,000. Architect, private plans. Owner, Morris Lueyry, 2403 South Broad street, Philadelphia. Brick, 1 story, 16x36 feet, slag roof, pine floors. Contract awarded Vincenzo Mangiameli, 1046 North Sixteenth street, Philadelphia.

Office and Residence (add.), 1800 Pine street, Philadelphia, \$2,000. Architect, private plans. Owner, Victor H. Frank, 1506 Locust street, Philadelphia. Brick, 1 story, 8x5 feet, slag, pine floors. Contract awarded C. M. Swartley & Son, 6835 Ridge avenue, Philadelphia.

Residence, Southeast Corner Wissahickon avenue and Coulter street, \$2,500. Architect, private plans. Owner, N. C. Ashenfelder, on premises. Brick, 1 story add., 16x21 feet. Contract awarded to J. H. Roberts, Lansdowne, Pa.

Stores and Residence (2), North Godfrey avenue, West of Ogontz, Philadelphia, \$15,000. Architect, private plans. Owner, Edward Pollock, 6103 Limekiln pike, Philadelphia. Brick, 2 stories, 20 x irregular, hot water heat, slag roof, electric light. Contract awarded Alfred V. Gilchrist, Drexel Building, Philadelphia.

Grandstand, Northwest Corner Twenty-ninth and Cambria streets, Philadelphia, \$1,000. Architect, private plans. Owners, Central High School, Broad and Green streets, Philadelphia. Reinforced concrete, 182x22 feet. Contract awarded Doyle & Co., 1519 Sansom street, Philadelphia.

Garage, Southwest Corner Tulip and Eyre streets, Philadelphia, \$7,000. Architect, private plans. Owner, N. T. Kerr, 1830 Frankford avenue, Philadelphia. Brick, 1 story, 17x81 feet 4 inches, cement floors, electric. Contract awarded Robert Beatty, care of owner.

Service Station (alts. and add.), 6225 Germantown avenue, rear, Philadelphia, \$5,700. Owners, Blaetz Souden Co., on premises. Brick, 1 story, 32x30 feet, general alterations. Contract awarded H. S. Barnes, 2080 East Willard street, Philadelphia.

Garages, 6111-13 Larchwood avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Mary G. Mitchell, 6117 Larchwood avenue, Philadelphia. Brick, 1 story, 34x18 feet, cement floors, electric. Contract awarded Thomas Flynn, 428 Edgewood street, Philadelphia.

Warehouse, 701-03 Hutchinson street, Philadelphia, \$2,800. Owner, Venanzio Angelucci, 738 South Tenth street, Philadelphia. Brick, 1 story, 23 feet 6 inches x 40 feet, slag roof, electric light. Contract awarded Jerry Lignano, 906 Christian street, Philadelphia.

Store and Residence (add.), 2848 South Sixteenth street, Philadelphia, \$2,200. Owner, Charles Joffe, on premises. Brick, 2 stories, 16x22 feet, pine floors, electric. Contract awarded Morris Hoffman, 4908 Brown street, Philadelphia.

Store and Residence (add. and alt.), 1445 North Butler street, \$6,950. Architect, private plans. Owner, M. Weinstein, 1620 Jefferson street, Philadelphia. Brick, 1 story, 16x12 feet, general alterations. Contract awarded to A. Ninder, 2539 North Sixth street, Philadelphia.

Garage, 5620 Summer street, Philadelphia, \$5,000. Architect, private plans. Owner, Beatrice Wilfong, 105 North Edgewood street, Philadelphia. Brick, 1 story, 20x115 feet, slag

roof, cement floors. Contract awarded David Wilfong, 105 North Edgewood street, Philadelphia.

Residence (alts.), 5505 Larchwood avenue, Philadelphia, \$3,300. Architect, private plans. Owner, Bruce Reese, 5505 Lansdowne avenue, Philadelphia. General alterations. Contract awarded to George P. Bertram, 5911 North Warnock street, Philadelphia.

Residence (add.), 8538 Frankford avenue, Philadelphia, \$3,200. Architect, private plans. Owner, William S. Diamond, on premises. Brick, 2 stories, 10 feet 8 inches x 8 feet 6 inches. Contract awarded George H. Thusk, 4305 Horrocks street, Philadelphia.

Store and Residence (add.), 1328-30 Point Breeze avenue, Philadelphia, \$3,000. Architect, private plans. Owner, Samuel L. Green, 1330 Point Breeze avenue, Philadelphia. Brick, 2 stories, 12x12 feet. Contract awarded to J. Sater, 1408 North Marshall street, Philadelphia.

Residence, 212 Bainbridge street, Philadelphia, \$6,000. Architect, private plans. Owner, Benjamin Spear, 703 South Second street, Philadelphia. Brick, 3 stories, 26x28 feet, hardwood and pine floors, electric light. Contract awarded John Romers, 730 South Second street, Philadelphia.

Residences (2), North side Emerson street, West of Loretta street, Philadelphia, \$5,600 each. Architect, private plans. Owners, Brown & Cornworth, care of builder. Frame, 2 stories, 24x38 feet, electric light, shingle roof, hardwood and pine floors. Contract

awarded to Harry Goupel, 5619 North Third street, Philadelphia.

Garage, Northeast Corner Melville and Milne streets, Philadelphia, \$4,100. Architect, private plans. Owner, William Rubin, 835 North Fifth street, Philadelphia. Brick, 1 story, 30x18 feet, slag roof, cement floors. Contract awarded H. Miller, 1227 Catherine street, Philadelphia.

Manufacturing Building, rear 8222 Eastwick avenue, Philadelphia, \$3,000. Architect, private plans. Owner, M. Paliohs, 6552 Alman street, Philadelphia. Brick, 1 story, 30x40 feet, slag roof, electric light. Contract awarded G. Adams, 5905 Chester avenue, Philadelphia.

Store and Residence (add. and alt.), 401 North Redfield street, \$2,500. Architect, private plans. Owner, Mr. Finkelstein, 518 South Eighteenth street, Philadelphia. Brick, 2 stories, 16x16 feet, slag roof, pine floors. Contract awarded to James Bianchide, 1924 South Thirteenth street, Philadelphia.

Residence (add. and alt.), 1208 Sixty-eighth avenue, Philadelphia, \$2,500. Architect, private plans. Owner, Florence Fenchtwanger, on premises. Brick, 2 stories, 82x52 feet, general alterations. Contract awarded to F. A. Schnerber, 1306 City Line, Philadelphia.

Residence (alts.), 3340 North Seventeenth street, Philadelphia, \$2,000. Architect, private plans. Owner, Elmer J. Slentz, 3342 North Seventeenth street, Philadelphia. General alterations. Contract awarded Joseph T. Shister, 17 Maplewood street, Philadelphia.

PENNSYLVANIA

Construction News

Residence and Garage, Wynnewood, Pa. Architect, Richard A. Kerns, 109 South Twenty-second street, Philadelphia. Owner, Clarence Gallagher, care of architect. Stone, hollow tile, stucco, 2 stories, 84x37 feet, 2-car garage, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans in progress.

Church and Sunday School, Warren, Pa. Architect, Clayton J. Lappley, Ebner Building, Harrisburg, Pa. Owners, Evangelical Church, Rev. C. W. Winch, Warren, Pa. Stone. Preliminary plans in progress.

Church (alts.), Carlisle, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, Episcopal Church, T. B. Sellers, chairman, Building Committee, Carlisle, Pa. General interior work. Preliminary plans in progress.

Church (alts. and add.), West Lawn, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owners, Evangelical Church, care of architect. Brick, 1 story, 45x70 feet, slate roof, pine floors. Plans in progress.

Stable (1), Wagon Shed (2), Harrisburg, Pa. Architect, Clayton J. Lappley, Ebner Building, Harrisburg, Pa. Owners, City of Harrisburg, Dr. S. F. Hassler, Harrisburg, Pa. Brick, fireproof, 1 and 2 stories, 176x20 feet, 128x20 feet, slate roof, concrete floors, electric light, steel sash, fire doors. Plans in progress.

Residence (alts. and add.), Church road near Sunnybrook, Montgomery County, Pa. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, Edwin N. Benson, Jr., on premises. Stone, 2½ stories and basement, 22x31 feet, shingle roof, pine and oak floors, painting and glazing, tile, marble, ornamental iron work, flagstone, soapstone. Revised plans in progress.

Convent and Home (alts. and add.), Ninth and Walnut streets, Reading. Architect, G. C. Freeman, Liberty Bank Building, Reading,

Pa. Owners, St. Paul's Roman Catholic Convent and Orphanage, 151 North Ninth street, Reading, Pa. Brick, frame, pine floors, general interior alterations. Plans in progress.

Garage Building, Shenandoah, Pa. Architect, John B. Thompson, 34 South Seventeenth street, Philadelphia. Owner, Jacob Wolf, Shenandoah, Pa. Reinforced concrete, steel, stone, brick, 4 stories, 30x150 feet, steam heat, electric light, plumbing, rolled steel sash, built-up roof, concrete floors, hollow tile, elevators, plate glass, miscellaneous iron work. Plans in progress. Architect will be ready for bids in three weeks.

Sales Room and Apartment, Auburn, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owner, J. R. Morri-

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son, Auburn, Pa. Brick, frame, 2 stories, 40x50 feet, slag roof, pine floors, electric light. Owner taking sub-bids.

School, Mount Alto, Pa. Architect, W. W. Witman, 21 North Nineteenth street, Harrisburg, Pa. Owners, State Forestry School, Dr. Staley, Harrisburg, Pa. Steel, concrete, brick, 2 stories and basement, 72x150 feet, slag roof, composition floors, hollow tile, safety treads, roof ventilators, waterproofing and dampproofing, ornamental iron, iron stairs, tile work, metal lath (heating, plumbing and electrical work separate). Owners will be ready for revised bids next week.

Store and Office, York, Pa. Architects, Gemmill & Billmeyer, Rosenmiller Building, York, Pa. Owner, A. Simmons, 21 South George street, York, Pa. Brick, steel, concrete, 4 stories, 42x64 feet, slag roof, pine floors, plate glass, city heat, electric light, tile and marble work. Plans in progress.

Church, Sunday School and Parsonage, York, Pa. Architects, Whitman & Royer, 47 East Market street, York, Pa. Owners, Second United Brethren Church, Rev. A. M. Horn, York, Pa. Stone, 1 story and basement and 2 stories, 180x82 feet, 36x48 feet, slate roof, hardwood and pine floors, waterproofing and dampproofing, leaded glass, vapor heat, electric light, metal lath, tile work (organ reserved). Architect will be ready for bids in ten days.

Milk Distributing Station, Stable and Garage, Twelfth and Welsh streets, Chester. Engineer, Charles Wister, 1733 North Marvine street, Philadelphia. Owners, Supplee-Wills-Jones Co., 1523 North Twenty-sixth street, Philadelphia. Brick, steel, reinforced concrete, 1 and 2 stories, 152x154 feet, slag roof, steam heat, electric light, cement floors, ornamental iron work. Owners taking bids.

Community Center, Hyde Park, Pa. Architect, Calvin Young, 226 North Sixth street, Reading, Pa. Owners, Goodwill Fire Co., No. 3, Beneficial Association, Hyde Park, Pa. Brick, steel, 2 stories, 140x70 feet, built-up

roof, composition and hardwood floors, dumb waiters, safety treads, roof ventilators, waterproofing, iron stairs, fire doors, rolled steel skylights, steam heat, electric light, metal lath. Architect taking bids due September 21st.

Main Building (alts.), Fern Rock, Pa. Architect, Ralph L. Goldberg, 10 South Eighteenth street, Philadelphia. Owners, Jewish Foster Home, care of Dr. Stern, 700 Church lane, Philadelphia. General alterations and new fire tower. Architect ready for bids.

Residence, Glenside, Pa. Architects, Dreher & Churchman, Otis Building, Philadelphia. Owner, Harry Winter, Glenside, Pa. Stone, 2½ stories, 25x40 feet, slate or asbestos shingle roof, oak and pine floors, hot water heat, electric light. Owner taking bids due as soon as possible.

Post Office (alts. and add.), Williamsport, Pa. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, United States Treasury Department, Washington, D. C. Semi-fireproof, 1 story add., 2800 square feet. Owners taking bids due September 29th at 3 P. M.

Church and Rectory, Ford and Union streets, Bridgeport, Pa. Architects, Hoffman-Henon Co., Finance Building, Philadelphia. Owners, Our Lady of Mt. Carmel Italian Roman Catholic Church, Rev. John Colantoni, Bridgeport, Pa. Owners taking bids.

Store (alts. and add.), Lititz, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owner, R. M. Spacht, Lititz, Pa. Brick, steel, 2 stories, 25x50 feet, composition roof, hardwood and pine floors, waterproofing, general interior alterations, ornamental iron work, copper work, plate glass, heating extension, electric light. Owner will build.

Residences (29), Lancaster, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, Heidelbargh Coal Co., Marshall and Madison streets, Lancaster, Pa. Brick, 2 stories, 20x30 feet, composition, slate and tile roof, hardwood floors, hot air and hot water heat, electric work. Owners will build.

School, Lumber and Turner streets, Allentown, Pa. Architects, Rhue & Lange, 10 North Sixth street, Allentown, Pa. Owners, Allentown School Board, T. P. Wenner, Allentown, Pa. Low bidder: Friel-McLeister, Inc., 1615 Spruce street, Philadelphia, \$324,000.

Road Work, Pennsylvania. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa. Owners taking bids due September 22nd at 10 A. M.

Adams County, A-3412, Germany Township, 5,384 feet. One course reinforced concrete. Certified check, \$1,500.

Berks County, A-3222, Maxatawny and Greenwich Townships, Kutztown Borough, 27,345 feet. One course reinforced concrete. Certified check, \$4,000.

Berks County, A-3464, Amity and Exeter Townships, 38,025 feet. One course reinforced concrete. Certified check, \$4,000.

Bradford County, R-15, A-2572, Rome Borough, Rome Township, 6,576 feet. One course reinforced concrete. Certified check, \$2,000.

Butler County, A-3663, Summit Township, 9,655 feet. One course reinforced concrete. Certified check, \$2,000.

Carbon County, A-3741, Towanmensing Township, 1,830 feet. One course reinforced concrete. Certified check, \$1,500.

Clearfield County, R-622-C, Greenwood and Penn Townships, Grampian Borough, 24,998 feet. One course reinforced concrete. Certified check, \$4,000.

Huntingdon County, A-2826, Wood Township, 9,953 feet. Bituminous penetration macadam on a broken stone base. Certified check, \$2,000.

Luzerne and Monroe Counties, R-169, Sec-

tion 3, Tobyhanna and Buck Townships, 11,193 feet. Grading and drainage. Certified check, \$2,500.

Schuylkill County, R-290, Mahanoy City Borough, 4,705 feet. Bituminous surface course on an asphaltic concrete base. Certified check, \$1,500.

Residence Development, Yeadon, Delaware Co., Pa. Architect, private plans. Owner, Daniel Crawford, Jr., Thirty-ninth and Chestnut Streets, Philadelphia. Site being prepared. Plans in progress. Too early for details.

Pennsylvania Contracts Awarded

Boiler House No. 2 (add.), Marcus Hook, Pa. Architect, The Ballinger Co., 12th and Chestnut Streets, Philadelphia. Owner, Viscoes Co., Marcus Hook, Pa. Brick, reinforced concrete, steel, 1 story and basement, 51x35 feet, Barrett Specification roof, cement floors, painting and glazing, safety treads, plumbing, rolled steel sash, tin clad doors, floor hardener iron stairs, ornamental iron work, wrought iron pipe. Contract awarded Wark Co., 1600 Walnut Street, Philadelphia.

Residence and Garage, Lot No. 70, Wynnewood, Pa. Architect, Richard A. Kerns, 109 South Twenty-second street, Philadelphia. Owner, Miss Margaret Fraser, care of architect. Stone, hollow tile, stucco, 2½ stories, 65x40 feet, 1 story, 20x25 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Contract awarded Wynnewood Const. Co., 109 South Twenty-second street, Philadelphia.

Residence and Garage, Lot No. 69, Wynnewood, Pa. Architect, Richard A. Kerns, 109 South Twenty-second street, Philadelphia. Owner, Mrs. Jessie Fraser, care of architect. Stone, hollow tile, stucco, 2½ stories, 42x94 feet, hot water heat, electric light, tile and marble work, slate roof, hardwood floors. Contract awarded to Wynnewood Const. Co., 109 South Twenty-second street, Philadelphia.

Garage, Reading, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owner, William Bentz, 1208 North Tenth street, Reading, Pa. Brick, 1 story, 50x100 feet, slag roof, concrete floors, electric light, 22 private garages. Contract awarded to Rhoads Const. Co., 1502 North Thirteenth street, Reading.

School, Lincoln, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owners, Ephrata Township School Board, D. Haverstock, Lititz, Pa. Brick, 1 story and basement, 59x82 feet, slag roof, pine floors, roof ventilators (heating, plumbing and electric separate). Contract awarded to H. F. Good, Ephrata, Pa., \$27,000.

Bridge, No. 83-45, North of Auburn, Main Line, Pa. Owners, Philadelphia & Reading Railway Co., Twelfth and Market streets, Philadelphia. Grading and masonry. Contract awarded A. H. Coyne, care of owners. Waterproofing, Martin & Breen, 1613 Sansom street, Philadelphia.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Armstrong County, R-189, Rayburn Township and Kittanning Borough. Contract awarded to M. Bennett & Sons, Indiana, Pa., \$180,624.93.

Bucks County, R-150, Bensalem Township, \$157,717.51. Contract awarded to R. L. Bonham, Bridgeton, N. J.

Berks County, A-3588, Spring and Cumru Townships, \$74,372.24. Contract awarded to Michael Straub, Pitman, N. J.

Blair County, R-57, Tyrone Borough and

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Snyder Township, \$63,327.62. Contract awarded to L. R. Mathieu & Sons, Altoona, Pa.

Westmoreland County, R-288, Rostraver Township, \$79,511.75. Contract awarded to Donora Const. Co., Donora, Pa.

Mifflin County, R-29, Derry Township and Lewistown Borough, \$84,776.86. Contract awarded to J. B. Trexler, Lewistown, Pa.

Susquehanna County, R-10, Great Bent Township, \$161,624.40. Contract awarded to Bryant & Kohl, Wilkes-Barre, Pa.

Lycoming County, R-20, Hepburn Township, \$57,961.85. Contract awarded to Lane Const. Corp., Meriden, Conn.

New Jersey Construction News

Schools (4), Mt. Ephraim, Belmar, Runnemede and Lawnside, N. J. Architects, Edwards & Green, 312 Market street, Camden, N. J. Owners, Center Township School Board, John Hausman, president, Mt. Ephraim, N. J. Plans in progress. Will be ready for bids in a month or six weeks.

Maternity Unit, Trenton, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, Mercer Hospital, 446 Bellevue avenue, Trenton, N. J. Fireproof, 3 stories, 40x96 feet. Preliminary plans in progress.

Garage, Show Room and Apartment, Trenton, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owner, J. McCarthy, 248 Second street, Trenton, N. J. Cinder block and frame, 2 stories, 40x60 feet, slate and slag roof, hardwood and concrete floors, plate glass, hot water heat, electric light. Plans in progress. Owner will build.

Store and Apartment, Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City. Owners, Halpern Brothers, 1740 Atlantic avenue, Atlantic City. Structural steel, reinforced concrete and brick, 5 stories, 100x30 feet, slag roof, hardwood floors, hollow tile, elevators, waterproofing and dampproofing, ornamental iron work, concrete stairs, copper work, plate glass, tile and marble, city heat, electric light. Architect taking bids.

New Jersey Contracts Awarded

School, New Jersey avenue, Atlantic City, N. J., \$469,960. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, Atlantic City School Board, H. H. Young, secretary, Atlantic City, N. J. Concrete, brick, steel, fireproof, 3 stories, 210x160 feet, slag roof, hardwood floors, hollow tile, safety treads, roof ventilators, waterproofing and dampproofing (heating, plumbing, electric work separate bids), tile and marble work, metal lath, skylights, fire and kalamein doors, bond. Contract awarded Lam Building Co., 1001 Wood street, Philadelphia.

School, Hammon, N. J., \$196,816. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, Hammon School Board, W. R. Selly, secretary, Hammon, N. J. Brick, steel, 2 stories and basement, 132x109 feet, wing 114x67 feet, wing 106x66 feet, grading, concrete work, composition stone work, imitation limestone, cast stone, brick work, structural steel, iron stairs, ladders and window guards, metal toilet partitions, dampproofing, integral waterproofing, steel lumber, metal lath, steel sash, galvanized iron ventilators, slag roof, plastering, metal lath, ornamental plaster, metal ceilings, carpentry, mill work, maple floors, tile and slate work, blackboards, cement floors and walks,

painting, glazing, asbestos wood picture booth, acoustical treatment (plumbing, heating and electrical work separate bids). Contract awarded to George W. Shaner & Son, Palmyra, N. J. Plumbing to Harry Knecht, West Collingswood, N. J., \$8,090. Heating to American Heating & Ventilating Co., 1505 Race street, Philadelphia, \$14,142. Electrical to Franks & Sweeney, Camden, N. J., \$5,240.

Post Office Building, Haddonfield, N. J., \$13,061.70. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owner, Joseph F. Wallworth, SmithAustermuhl Building, Camden, N. J. Brick, cinder block, steel, 1 story and basement, 92x26 feet, steam heat, electric light, Barrett Specification roof, cement and maple floors, plumbing, rolled steel sash, bond, ornamental iron work, metal ceilings, cast stone, Byers or Reading wrought iron pipe. Contract awarded to J. W. Draper, 436 Haddon avenue, Camden, N. J.

Store and Residence, North Olden street, Trenton, N. J., \$7,500. Architect, private plans. Owner, Joseph Barnta, Trenton, N. J. Brick, 2½ stories, 30x34 feet, slate roof, pine floors, hot water heat, electric light. Contract awarded to Julius Majeski, 868 Brunswick avenue, Trenton, N. J.

Residence, 335 Maple avenue, Trenton, N. J., \$6,000. Architect, private plans. Owners, S. W. Mather & Son, 300 Maple avenue, Trenton, N. J. Frame, 2½ stories, 23x34 feet, slate roof, pine floors, hot air heat, electric light. Contract awarded to William C. Aker, 217 Hollywood avenue, Trenton, N. J.

Residence, Columbia avenue, Trenton, N. J., \$4,000. Architect, private plans. Owner, Eva Sweeney, 144 Hoffman street, Trenton, N. J. Frame, cement block, 2½ stories, 22x28 feet, slate roof. Contract awarded to Frank Sweeney, 144 Hoffman street, Trenton.

Miscellaneous Construction News

Sewer Work, Milford, Del. Engineer, Albright and Mebus, 1502 Locust Street, Philadelphia. Owner, City Council of Milford, Del. Construction of 14,500 feet of 8 inch pipe sewer, 3800 feet of 10 inch vitrified pipe sewer, 650 feet of 12 inch, 850 feet of 15 inch. 78 manholes and miscellaneous work in connection with the sewer system. Deposit \$10.00, refunded. Certified check 2% of amount of bid. Owner taking bids due Sept. 22nd 8 P. M. (S. T.)

Hall of Chemistry, Morgantown, West Virginia. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, University of West Virginia, Morgantown, W. Va. Laboratory equipment, plumbing, electric light, cabinet work. Owners taking bids due October 1st. (Note location.)

Proposals

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C.—SEALED PROPOSALS will be opened in this office at 3 P. M., Sept. 29, 1925, for the construction, including mechanical equipment and lighting fixtures, and incidental alterations to the present building of a one-story semi-fireproof extension of about 2,380 square feet ground area at the U. S. P. O. & Ct. H., Williamsport, Pa. Drawings and specifications may be obtained from the Custodian of the building or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Sealed and separate bids or proposals will be received by the Board of School Directors of the School District of the City of York, Pennsylvania, for the erection and completion of a Senior High School Building to be erected on the plot of ground lying at the northwest corner of West College Avenue and South Beaver Street, York, Pa. The proposals must be submitted separately for the—General construction of the building, Plumbing and Drainage, Electrical Work, and Heating and Ventilating—all in accordance with plans, drawings and specifications prepared by John B. Hamme, Registered Architect, York, Pa. A certified check equal to 5% or an acceptable Surety Company bond equal to 10% of the aggregate amount of the bid must accompany each proposal to guarantee acceptance of contract if awarded.

An acceptable Surety Company bond equal to the full amount of the contract will be required of the successful bidders.

Plans and specifications may be secured from David N. Crider, Secretary of the Board of Directors, in the Central School Building, corner of West King Street and Cherry alley, York, Pa., upon application accompanied by a deposit of cash or certified check of \$100 for each set of the General plans and specifications, \$85 of which will be returned for each set when plans and specifications are returned to said office accompanied with bid. A deposit or certified check for \$50 must accompany applications for each set of the Plumbing and Drainage, Electrical Work, or Heating and Ventilating plans and specifications, \$35 of which will be returned for each set when plans and specifications are returned accompanied with a bid.

In case no bid is received the entire amount of the deposit or check will be forfeited.

On or about September 21, 1925, plans and specifications will be delivered to persons making application in accordance with the above requirements. Plans and specifications will be on view in the office of John B. Hamme, Registered Architect, Citizens' Savings and Trust Building, in the office of M. O. Lewis, Superintendent of Buildings and Grounds, in the Central School Building, York, Pa., and at the Builders' Exchanges in Philadelphia, Pa., and Baltimore, Md.

All bids must be signed, sealed, properly marked with name of contract bid upon and delivered to David N. Crider, Secretary, Central School Building, York, Pa., not later than one o'clock P. M. of Thursday, October 15, 1925.

The right is reserved to reject any and all bids.

EDWARD W. NEUMANN,

Chairman of the Committee on Buildings, Grounds and Fuel, of the Board of School Directors of the School District of the City of York, Pa.

(Continued from Page 580)

high lights in fireproof (so-called) construction, gypsum in any of its many forms will meet the requirements set forth, since the physical characteristics desired of any material from a fire-resistant point of view are:

That it must be incombustible and not support flame.

That it must resist the action of high temperature for a pre-determined period.

That it must be a poor conductor of heat.

That it must have a low—almost immeasurable—total expansion when subjected to fire.

That it must not spall, warp or buckle out of place when attacked by fire and drenched with water.

That it must be of such form and character as to be easily adapted to the purpose intended with due consideration to the equipment and labor necessary to execute the work.

Standard fire, water and strength tests, made by the Underwriters' Laboratories, Inc., and the fire testing station of Columbia University have demonstrated, beyond question of doubt, that for equal thickness gypsum will resist high temperatures for greater periods of time than any other commonly used fire resistive (fireproof) material. The destruction of gypsum from fire is due entirely to a slow calcination process which takes place during the period when the chemically combined (about 20 per cent by weight) water of crystallization is being liberated by heat. The tests referred to have shown that at a temperature of 2200 degrees Fah., it will take four hours to calcine the material to a depth of 3-1/3 inches. Also, at the end of this period (4 hours) the temperature of the gypsum, 3 inches back from the 2200 degree Fah. fire, was only 315 degrees Fah., and 6 inches back it was but 208 degrees Fah., or less than the temperature of boiling water. When we consider the effect of 2200 degrees of heat for four hours, we realize that six inches back from the face of the furnace only 9-1/2 per cent of this temperature had penetrated, we have a complete answer to the superior low conductivity feature of this material.

The calcination of gypsum is a uniform and slow process and is not attended by undue expansion, warping, buckling and similar contributory causes of destruction. This is due to the fact that while calcination is taking place the water of hydration is being liberated in the form of steam, and for this reason the gypsum mass that is exposed to fire cannot attain a temperature that is appreciably higher than that of boiling water.

In fireproof (so called) construction gypsum building products fulfill all the requirements as follows:

(1) Gypsum tile for furring and for non-bearing dividing and corridor partitions.

(2) Gypsum tile for non-bearing stairway and elevator enclosures.

(3) Gypsum tile for fire protection of steel columns, girders, beams and trusses.

(4) Gypsum tile for floor void fillers in reinforced concrete construction.

(5) Gypsum plaster board and gypsum plaster for suspended ceilings and non-bearing incombustible partitions when secured to metal supports.

(6) Gypsum wall board, without plas-

ter, for the finish of walls, partitions and ceilings in the interior of the building, when secured to metal supports.

(7) Reinforced gypsum for poured-in-place floors and roofs.

(8) Reinforced gypsum pre-cast tile or slabs for roofs.

(2) *Slow Burning Factory Construction*

The term "slow burning factory construction" usually applies to what is known as "mill construction," a type of building which represents a splendid risk if in detail the recommended essentials are faithfully carried out. Buildings to be regarded as falling under this classification should conform to about the following general standard requirements:

(a) Masonry exterior walls and foundation.

(b) Masonry enclosing walls for stairway and elevator shafts.

(c) Timber columns for all floors (except top floor) to be of single piece and not less in area than 100 square inches. Top floor columns (supporting roof loads only) to be timber of not less in area than 64 square inches. All columns shall be a single piece.

(d) Floors shall be packed and not less than 4 inches thick, or matched or splined floors and roof decks not less than 2-1/2 inches thick.

(e) Girders or beams supporting packed floors to be timber of not less area than 60 square inches. When supporting matched or splined floors or decks they shall be timber of not less area than 48 square inches. All such timbers of less than 160 square inches shall be a single piece.

(f) Rafters supporting roof loads only shall be a single piece of timber of not less area than 36 square inches.

(g) Concealed air spaces of any character are not allowed. Any fire protection material must be applied so as to follow the contour of the construction and be in contact with the surface protected.

A construction closely following the foregoing general requirements will usually afford better salvage values after the average fire than any other type of fireproof building, and this for the simple reason that heavy timbers will char rather than flame and there is no destruction from expansion, contraction, warping and buckling since wood is a poor conductor of heat.

It is hardly necessary to state that in a building of this character, gypsum products used for the fireproof structure can be used to equal advantage in this case. The most common application of gypsum in buildings of "mill construction" is for:

(1) Gypsum tile for furring and for non-bearing stairway and elevator enclosures.

(2) Gypsum plaster board and gypsum plaster for non-bearing incombusti-

ble partitions when secured to metal supports.

(3) Gypsum wall board, without plaster, for the finish of walls, partitions and ceilings in the interior of the building.

(4) Reinforced gypsum pre-cast tile or slabs for the roof.

(3) *Ordinary Construction Buildings*

Since this type of construction involves exterior walls of masonry and interior floors, partitions and the roof of wood frame it is unreasonable to require for buildings of this character a degree of fire protection without due consideration of the fire hazard which exists in the construction by reason of the combustible nature of the interior. The best that can be done to reduce the conflagration loss possible is to require certain refinements in methods of construction which, taken collectively, will retard the progress of fire for a sufficient period to assure the occupants a safe exit. From usual interior fire hazards an appreciable degree of fire protection can be obtained by:

(a) Firestopping the hollow partitions for 18 inches at the floor and ceiling levels.

(b) Intermediate firestopping at joists between ceiling and floor.

(c) Firestopping between joists and rafters at wall bearings and at furring on exterior masonry walls.

(d) Plastering all ceilings, including those of the basement and attic, upon incombustible lath.

(e) By interposing a layer of incombustible material between the rough and finish floors and between the roof boards and wood shingles or other combustible wood covering.

Gypsum products are particularly adaptable to the foregoing simple requirements. They are successfully used in the following:

(1) For all firestopping purposes by being poured in place in a plastic state or by cutting (sawing) gypsum tile or gypsum plaster board to fit and nailing in place.

(2) Gypsum plaster board 3/8 in. or 1/4 in. thick is used between floors or over the roof boards and under wood shingles.

(3) Gypsum plaster wherever used, and especially upon incombustible lath such as gypsum plaster board, affords a degree of fire protection not possible with any other known plaster and lath.

(4) *Wood Frame Construction Buildings*

This type of construction is particularly dangerous when considering fire from exterior or interior sources. The greatest loss, due to the nation's annual fire waste of more than \$500,000,000 is carried by wood frame construction. As in the case of buildings of ordinary construction, the progress of fire can be materially retarded by efficient firestopping of all hollow wall spaces including, in this case, the exterior walls.

While firestopping is the most important item to consider in ordinary and wood frame buildings, no really scientific thought has been given toward methods and materials, used for this purpose, which can be easily applied at a minimum cost and which would assure the desired results. Blocking of incombustible material is being used, but improper fitting, poor nailing and the shrinkage of the wood construction results in leakage which reduces the efficiency of the firestop. Metal lath baskets fitted in place and filled with loose incombustible material are better in theory, but the cost discourages faithful compliance.

A recently developed gypsum product, in the nature of porous or puffed gypsum, has done wonders toward making the firestopping and insulation of buildings a simple and economical matter as well as a practical success. This material is shipped to the job in 80 pound paper bags, is mixed with water and poured in place. According to the purpose intended this product is shipped so that after mixing, the material in place will weigh from 12 pounds to 30 pounds per cubic foot, the lighter substance being used solely for insulation, and for fire protection purposes when held in place by the construction. The 24 pound material is used for floor and roof fill while the 30 pound lends itself to making of structural units such as tile, etc.

The principle involved in the manufacture of porous or puffed gypsum is the introduction, in varying proportions, of chemicals into the calcined gypsum powder. When stirred into water the mixture becomes active, and a chemical reaction takes place releasing carbon dioxide gas and leaving a gypsum mass which sets hard in place and contains millions of minute air cells. The weight per cubic foot of the set and hard material depends on the quantity of dry chemical originally introduced into the gypsum prior to shipment.

The commercially valuable feature lies in the fact that the chemical action which causes the formation of air cells also increases by many times the original bulk with resultant corresponding reduction in weight per cubic foot. The incombustible and fire resisting properties of the predominating cementitious material (gypsum) are not impaired but rather are improved owing to the increase of non-conducting individual air cells. This feature will also improve the acoustic properties. This product is used in fireproof and other building construction for the following purposes:

(1) Poured-in-place or in the form of pre-cast units for non-bearing furring, partitions, shaft enclosures and for the fire protection of metal supports.

(2) Poured-in-place on top of reinforced concrete and clay tile roofs and

floors for insulation and sound deadening.

(3) Poured-in-place or in the form of pre-cast units for insulating exterior walls of masonry.

(4) Poured-in-place or in the form of pre-cast units to fill the hollow space between wood stud supports for fire protection and insulation.

(5) Poured-in-place to fill to desired thickness, space between wood ceiling joists and rafters for fire protection, insulation and sound deadening.

(6) Poured-in-place fill of any character for firestopping and for any purpose where increased fire protection and insulation is desired.

There are other valuable uses of gypsum building products but the substance of this article is sufficient to illustrate the elastic possibilities of gypsum and the adaptability of this valuable, economical and easily procured mineral to present accepted methods and types of construction.

PRACTICAL POINTS IN HOME BUILDING

BY BETTY BARRETT

The modern trend in home planning is away from a strict conformity to any particular architectural style, for comfort and convenience are not sacrificed in the cause. Often the type of architecture selected does not, in its pure form, allow the inclusion of some rooms which the family would enjoy.

Our thoughts are turning more and more toward making the home a really pleasant place in which to live, and we are finding that beauty and comfort may more often be combined by taking some architectural style for an inspiration in building the home than by slavishly following that style in its every detail, regardless of the particular needs of the family building the home. The success of the home of today may be measured by its adaptability to the requirements of the family occupying it.

For example, in the matter of the number of rooms in a home and their use, it seems to be too prevalent a practice to build so compactly that there is no allowance for any room other than that which is absolutely necessary to carry on the routine of living. The very small house is not the only offender in this respect, for larger homes often have the same fault.

The old fashioned den, with its big open fireplace seems to be unknown to many who build homes today. And where is the sunny breakfast room which makes a morning meal cheery? Breakfast nooks are a boon, and are often delightful, but where there is any opportunity at all, do let us have a real breakfast room that we may breakfast and lunch in away from the kitchen with its

sometimes unavoidable heat, yet spared the bother of setting the dining room table. Build a large window in the breakfast room that will give an inspiring view of the out of doors.

But about the den. In the first place, the den may open off of the living room and make a gathering place for those of the family who would read and write in quiet away from the buzz of conversation in the living room. A cozy den will often prove a lure to the youngsters to make their studying a pleasure instead of a task.

The walls of the den may have book cases built in, and it is the one place in the house where the exhibition of family photos is not in poor taste. The mantel over the fireplace is just the place for bric a brac which would be out of place

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elsewhere because of its personal nature. The den may serve a strictly utilitarian purpose, if necessary, for either a wall bed or one of the new type of concealed closet beds may be installed in the closet, ready for the use of a chance guest. One very charming home had a lavatory built just off of the den, which makes it a completely equipped guest room, and, at the same time, served the family every day in the year. If there is not room for a closet to conceal a bed, build the lavatory and put a davenport bed in the room itself. Really, the delights of the den more than compensate for the outlay of money used in building it.

Another delightful adjunct to the modern home is a sun porch, either glassed or screened in. If it is glassed in, the furnishings may be of the daintier type and bright colors used to make a pleasant room for older folks who spend so much of their time indoors. If the porch is screened in, the bright colors may still be used, but the rugs and furniture should be sturdy enough to stand damp weather. Some sun porches are built with one wall as a series of French doors which may be opened to give an almost complete exposure onto lawn or patio.

Speaking of porches, let us not forget the sleeping porch. We enjoy the weather during the day—why deprive ourselves of the fresh air at night? Of course, a cross ventilated bedroom is light and airy, but it doesn't have the out of doors feeling that a real sleeping porch does.

The sleeping porch may be screened to within four feet of the floor if it is located on the side of the house away from the street. Ventilating shades can be installed on the sleeping porch which may be lowered on sunny afternoons to make a cool quiet spot for a restful nap.

Every kitchen should have plenty of cupboards and drawers, a cooler, and a counter where the housewife may set things in passing. Floor space for at least one table should be allowed, and, if desired, the stove may be placed in a hooded alcove. The disappearing ironing board is another adjunct of the modern kitchen which should not be sacrificed.

All these points which I have mentioned are applicable to the building of the moderate priced house.

—Keith's Magazine.

WATER CONTENT OF CONCRETE VITAL

One can no more get good concrete by mixing cement, sand, rock and water indiscriminately than one can get good bread by mixing flour, water and yeast without attention to the proportions or the manipulation.

While this fact is generally recognized

by experienced concrete users, there is still much misunderstanding as to the accuracy of mix required. Particularly is this true with regard to water. Many persons imagine the amount of water in the mixture is unimportant—that any concrete which is really wet will harden properly.

Hardening is Not Drying

Nothing could be less accurate. The hardening of concrete is a chemical process, and for the best results the proportions of materials must be gauged as accurately as for a cooking recipe. Concrete does not harden by drying out; it hardens by the chemical combination of the water with the cement in it. Too much water prevents the cement from hardening properly, just as it prevents glue or paste from sticking effectively, yet a certain amount is absolutely essential. The rule on ordinary work is to use as little as will give a workable mixture. Concrete that has to be shoveled will harden much stronger than concrete that can be poured.

Carefully performed experiments have proved that concrete made with too much water will have only a part of the strength it might otherwise have attained. Mix one bag of cement with sand and rock, and put in even a pint more water than is necessary, and you will weaken the finished concrete as greatly as though you had left out two pounds of cement. After the concrete has solidified, however, it should be kept moist for ten days or so by sprinkling water over it. This aids it greatly in "curing" and the amount of water, so it is sufficient to keep it moist, is unimportant.

Use Smallest Possible Amount

The proper amount of water to use in any concrete mixture is the smallest quantity that will give a mix sufficiently plastic for the work in hand.

Concrete must be mixed thoroughly, and plenty of time should be taken to insure that this feature is not slighted. Under no circumstances should the time of mixing be less than one minute after the ingredients are all in the mixer. The speed or energy with which concrete is mixed does not count so much as the time allowed for the materials to be thoroughly blended.

The sand and stone should be graded carefully, and above all should be free from organic material. Strong concrete cannot be made from dusty or dirty sand and stone. Gravel should be washed and screened into sand and pebbles.

MISTAKES IN USING CONCRETE

The extreme ease with which cement may be obtained and mixed with stone and sand to form concrete, as well as

the economy and permanence of the resulting material, has led to its use for building and ornamental purposes by many persons who are trained neither from the standpoint of structural design nor architectural beauty.

It must be remembered that concrete is a building material. It has many advantages over other material of the same class. But if not used properly it cannot be expected of itself to give first class results.

Here's Why Failures Occur

Without going into a technical discussion of the subject, it may be said that concrete structures of any kind which are (1) not reinforced properly to carry the stresses they must bear, (2) not made with concrete mixed in the right proportions, (3) not permitted to harden sufficiently before being put to use, (4) not protected from cold, if erected in cold weather (5) not actually constructed by the contractor in accordance with the correct plans of the architect or engineer, will not prove satisfactory.

A self-educated builder may know how to mix concrete properly without being in any way qualified to design a concrete building, culvert or retaining wall. And many failures have been traced to the fact that the structure which failed was planned and erected by someone who might have been a good foreman for a qualified contractor, but who had not the technical ability to assume all responsibility for the work which ended so unfortunately.

To blame concrete for failure in such cases would be most unjust. The fault lies with the treatment of it, and not with the material itself.

Utmost Beauty Possible

From the standpoint of beauty, concrete lends itself to the utmost degree of architectural expression. But in the hands of a person lacking good taste it is capable of as great offenses against the artistic as any other building material.

The fact is that concrete has a technique of design, construction and expression all its own. This is easy to acquire, but many people who are familiar with other building materials attempt to employ concrete with the same methods they would use for these other materials. And results are not satisfactory.

Used by people who will take the slight trouble to learn the correct methods, concrete will give better results at less ultimate cost than other materials. Properly designed concrete structures or concrete products will compare in every way with the appearance of similar structures or products of other materials. And the advantages in such matters as durability, service and economy are manifold.

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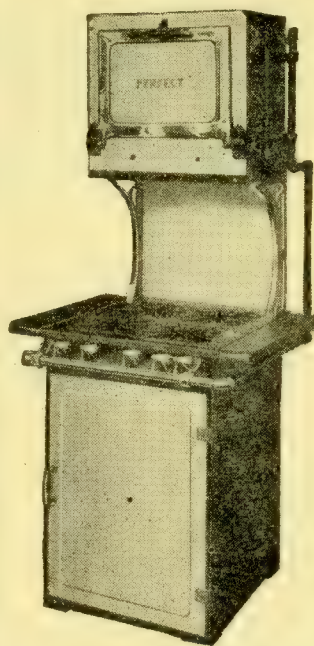
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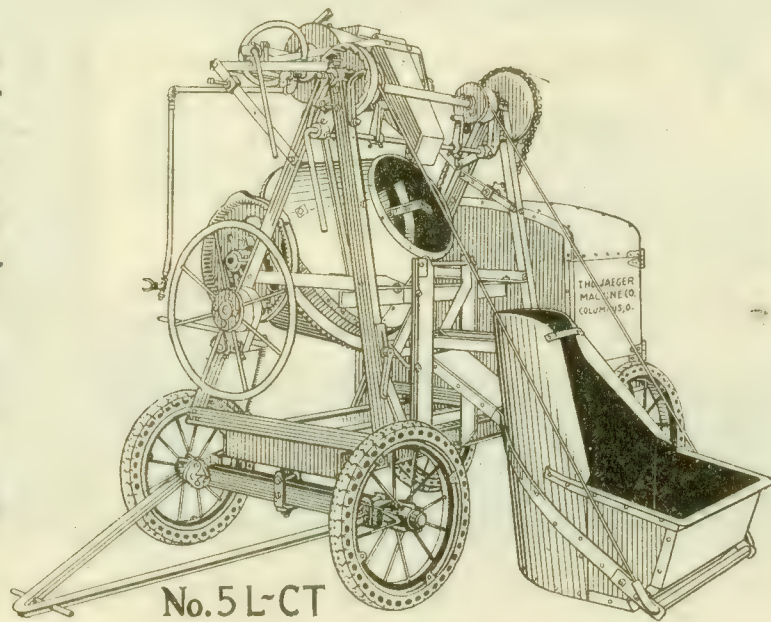
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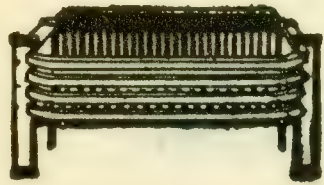
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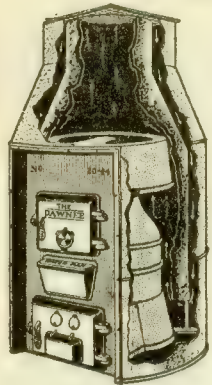
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XL
Number 38

PHILADELPHIA
September 23, 1925

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

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1530 CHESTNUT ST., PHILADELPHIA

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CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED: ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Restaurant (alts.), Southeast corner Nineteenth and Market Streets, Philadelphia. Architect, Henry L. Reinhold, 1513 Walnut street, Philadelphia. Owner, Bahl's Restaurant Co., on premises. Heating and lighting alterations, terrazzo floors, carpentry and millwork, painting and glazing, coking equipment, alterations to lunch counter. Architect taking bids due as soon as possible.

Residences (85), Cheltenham Road and Lorretto Street, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut Street, Philadelphia. Owner, name withheld. Brick, 2 stories, 15x35 feet, slag and tin roof, hardwood floors, hot water heat, electric light, metal lath, tile work, hollow metal skylights, cement work, garaged in basement. Plans in progress, will be ready for sub-bids in a few days.

Hospital Building and Infirmary, Burholme, Pa. Architect, Heacock and Hokanson, 1211 Chestnut Street, Philadelphia. Owner, Jeannes Memorial Hospital, care of Architects. Plans completed, ready for bids in a few days.

Hall, Southeast corner Toronto and Fox Streets, Philadelphia. \$12,000. Architect, private plans. Owner, Gartano Sabarto, 2211 Toronto Street, Philadelphia. Brick, 2 stories, 51x64 feet, 12x22 feet, slag roof, electric light, steam heat. Permit granted.

Swimming Pool, Woodside Park, Pa. Architect, Edward Schoeppe, 316 South 15th Street, Philadelphia. Owner, Woodside Realty Co., care of Architect. Architect taking sub-bids on pool work. Concrete work due Sept. 21st. Piping and plumbing due Sept. 30th.

Building (alts.) to Bank, Northeast Corner Fifty-second and Walnut streets, Philadelphia. Architect, John T. Brugger, 505 Chestnut street, Philadelphia. Owners, Manufacturers' Title & Trust Co., Paul L. Hafler, secretary, 5218 Walnut street, Philadelphia. Brick and stone. Preliminary plans in progress.

Cresson Building (alts. and add.), Thirty-eighth and Powelton avenue, Philadelphia. Architect, Arthur H. Broekie, 254 South Fifteenth street, Philadelphia. Owners, Old Men's Home, on premises. Architectural terra cotta, wire screens, structural steel, steel doors, iron stairs, plumbing, plastering, painting, glazing, carpentry, mill work, brick work, kalamein doors. Revised plans in progress.

Religious Education Building, Levick and Palmetto avenue, Philadelphia. Architects, Bureau of Architecture of Methodist Episcopal Church, 1701 Arch street. Owners, Lawndale Methodist Episcopal Church, Rev. A. S. Morris, 804 Hellerman street, Philadelphia. Brick, stone, cut stone, steel, limestone, 2 stories and basement, 83x102 feet, built-up roof and slate roof, rubber, linoleum and maple floors, steam heat, electric light, metal lath, marble and terrazzo work, metal sash, bond, ornamental iron, steel partitions, plumbing, Truseon waterproofing, wrought iron pipe. Will take revised bids.

Garage, 2036 South Sixteenth street, Philadelphia. Architect, John E. Sindoni, Norwood and McKean streets, Philadelphia. Owner, John Crisconia, care of architect. Brick, stone, terra cotta, 2 stories, 48x114 feet, slag roof, plank floors, steam heat, electric light, rolled steel sash, hollow metal skylights, rolling steel doors. Architect taking sub-bids.

Garage, Twenty-fourth and Delancy streets, Philadelphia. Architects, Hoffman-Henon, Inc., Finance Building, Philadelphia. Owner, name withheld. Brick, steel, 1 story, 206x52 feet, built-up roof, cement floors, plumbing, steam heat, electric light, steel

doors. Architects will build and are taking sub-bids due as soon as possible.

Bank and Office Building, 1600-02 Chestnut street, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, Mastbaum Brothers & Fleischer, 1424 South Penn Square, Philadelphia. Brick, steel, 6 stories and basement, 145x43 feet, slag roof, cement floors, hollow tile, elevators, ornamental iron, iron ladders, plate glass, metal bulks, kalamein doors, hollow metal sash, terrazzo work, metal lath, steam heat, electric work. Architects will build and are taking sub-bids due as soon as possible.

Playhouse (alts. and add.), Wissahickon avenue and Westview street. Architect, Carl A. Ziegler, 1012 Walnut street, Philadelphia. Owner, Anne West Strawbridge, care of architect. Stone, cut stone, brick, 2 stories and basement, 35x34 feet, new garage, 21x21 feet, tile roof, North Carolina pine floors, plumbing, ornamental iron work, tile work, metal lath, hot water heat, electric light, wrought iron pipe. Architect taking bids due September 25th.

Residence and Garden Walls, Hillcrest avenue, Chestnut Hill, Pa. Architects, Willing, Sims & Talbott, 126 South Eighteenth street, Philadelphia. Owner, Charles Willing, care of architects. Stone, brick, cut stone, limestone, 2½ stories and basement, 58x31 feet, wing 51x18 feet, variegated slate roof, oak and yellow pine floors, painting, glazing, asphalt waterproofing, flagstone, ornamental iron, tile work, metal lath. Architects taking bids due September 28th.

Miscellaneous Work, Richmond, Buckius, Bath and Ash streets, Philadelphia. Owners, Department of Public Welfare, Bureau of Recreation, 595 City Hall, Philadelphia. Grading, cement work, iron fence, sewer connections on playground. Owners taking bids due September 28th at noon.

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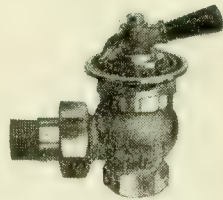
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Building (alts.), Germantown and Cheltenham avenues, Philadelphia. Architect, Frank E. Hahn, Seventh and Chestnut streets, Philadelphia. Owner, M. I. Lifshetz, on premises. Brick, cut stone, iron work, cement and concrete, metal lath, plastering, metal bulk windows, kalamein doors, slag roof, rolled steel sash, marble, tile and slate work, carpentry, mill work, stair work, painting, glazing, hardware. Architect taking bids due September 24th at 2.30 P. M.

Apartment House, 4111 Walnut street, Philadelphia. Architects, Wilbur, Watson & Assoc., Stock Exchange Building, Philadelphia. Owners, Apartment Homes, Inc., Branson Bond & Mortgage Co., Stock Exchange Building, Philadelphia. Brick, stone trim, reinforced concrete, steel, 7 stories and basement, 60x220 feet, slag roof, oak floors, elevators, steam heat, electric light, metal lath, tile and marble work. Architects taking bids.

Residences (48), 6450-96 and 6451-97 Woodcrest avenue, Philadelphia, \$436,000. Architect, private plans. Owners, J. Franklin Moss & Co., Price and Anderson streets, Philadelphia. Brick and stone, 2 stories, 20x35 feet, 17x42 feet, hot water heat, electric light, hardwood and pine floors, tile. Permit granted.

Residences (7), Lawndale and Benner streets, Philadelphia, \$30,000. Architect, private plans. Owner, Vincent Di Stephano, 1301 Porter street, Philadelphia. Brick, 2 stories, 15x25 feet and 12x10 feet, hot water heat, electric light, pine floors. Permit granted.

Store and Residence (add. and alt.), 4901-53 Lancaster avenue, Philadelphia, \$15,000. Architect, private plans. Owner, Isaac Fleister, 4105 Market street, Philadelphia. Brick, 3 stories, 12x18 feet. Permit granted.

Residences (2), South side Stanwood street, East of Halstead street, \$12,000 total. Architect, private plans. Owner, T. H. Walter, 533 Stanwood street, Philadelphia. Frame, 2 stories, 14 feet 4 inches x 38 feet 7 inches, hot water heat, electric, slag roof, pine and hardwood floors. Permit granted.

Garages (8), North side Hermitage, West Henry street, Philadelphia, \$40,000. Architect, private plans. Owner, Max Meitner, 351 Germantown avenue, Philadelphia. Brick, electric, cement floors. Permit granted.

Residences (2), 8227-29 Botonic avenue, Philadelphia, \$3,000. Architect, private plans. Owner, John McEnhill, 8311 Lincoln street, Philadelphia. Brick, 2 stories, slag roof, electric, hardwood and pine floors. Permit granted.

Residences (7), Thelma and Whittaker streets, Philadelphia, \$5,000. Architect, private plans. Owner, John M. Zebby, 4713 North Broad street, Philadelphia. Brick, 2 stories, various sizes, hot water heat, slag roof, electric light, hardwood and pine floors. Permit granted.

Residences (2), North side Lawndale street, North Shelmire, Philadelphia. Architect, private plans. Owner, Harry Glaser, 1239 Cottman street, Philadelphia. Brick, 2 stories, slag roof, hardwood and pine floors, electric light. Permit granted.

Garage, South side Hermitage street, North Henry avenue, Philadelphia, \$3,000. Architect, private plans. Owner, Max Meitner, 351 Green Lane, Philadelphia. Brick, 1 story, 9x20 feet, electric light, slag roof, hardwood and yellow pine floors. Permit granted.

Residences (15), Madison, Tilton and Salmon streets, Philadelphia, \$3,000 each. Architect, private plans. Owner, S. A. Buckman, Madison and Salmon streets, Philadelphia. Brick, 2 stories, various sizes, electric light, slag roof, yellow pine and hardwood floors. Permit granted.

Residences (2), South side Fanshawe, North of Bingham street, Philadelphia, \$12,000 total. Architect, private plans. Owner, Joseph W. Schomi, 901 Unruh street, Philadelphia. Frame, 2 stories, 14 feet 6 inches x 46 feet 6 inches, electric light, pine floors. Permit granted.

Garage, 6813 North Franklin street, Philadelphia, \$12,000. Owner, I. Winstein, 408 North Fortieth street, Philadelphia. Stone, 1 story, 95x218 feet, cement floors, electric. Permit granted.

Residence, South side Dyer street, North of Oxford Pike, Philadelphia, \$6,000. Architect, private plans. Owner, Harry Drake, 3139 Frankford avenue, Philadelphia. Brick, 2 stories, 20x37 feet 5 inches, hot water heat, electric light, slag roof, yellow pine floors. Permit granted.

Store and Residence (alts.), 811 Christian street, Philadelphia, \$2,500. Architect, private plans. Owner, Joseph Carten, 908 South Eighth street, Philadelphia. General alterations. Permit granted.

Residences (2), Southeast and Southwest Corners Tyson and Bingham streets, Philadelphia, \$6,000. Architect, private plans. Owner, Arthur Steinbaum, 7500 Bingham street, Philadelphia. Stone and frame, 2 stories, 16x36 feet, hot air heat, slate roof, pine floors, electric light. Permit granted.

Residences (24), Mebus and Herkness roads, Philadelphia, \$167,400. Architect, private plans. Owners, Goldman, Bobb & Powell, 6234 Cedar avenue, Philadelphia. Brick, 2 stories, various sizes, hot water, slag roof, electric light, hardwood, pine floors. Permit granted.

Residences (6), South Hermitage street, North Henry avenue, Philadelphia, \$6,000 each. Architect, private plans. Owner, Max Meitner, 351 Green Lane, Philadelphia. Brick, 2 stories, 20x35 feet, hot water heat, electric light, hardwood and pine floors. Permit granted.

Residences (2), North side Unruh street, North of Rising Sun avenue, Philadelphia, \$5,000 each. Architect, private plans. Owner, Samuel Karpis, 2516 North Cumberland street, Philadelphia. Brick, 2 stories, 16x48 feet, hot water heat, electric light, hardwood and yellow pine floors. Permit granted.

Residences (2), North side Longshore street, North of Shelburn, Philadelphia, \$5,000 each. Architect, private plans. Owner, Hyman Korman, 6800 Oakley street, Philadelphia. Brick and frame, 2 stories, 16x25 feet, hot water heat, electric light, hardwood and yellow pine floors. Permit granted.

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Residences (4), South side Longshore street, West Oakley, Philadelphia, \$5,000 each. Architect, private plans. Owner, Hyman Korman, 6800 Oakley street, Philadelphia. Brick and frame, 2 stories, 16x25 feet, hot water heat, electric light, hardwood and yellow pine floors. Permit granted.

Grading, Philadelphia. Owners, Department of Public Works, Bureau of Highways, Philadelphia. Low bidders (received September 15th): Atwood road and Harlan street, Thomas P. Lee, 5629 Cherry street, Philadelphia, \$21,728.70; Devereaux and Hasbrook streets, Gudknecht & Collison, Philadelphia, \$3,226.96; Ferndale street, Rhawn to Stanwood, Roy B. Wenner, 2313 Walnut street, Philadelphia, \$3,164.30; Pennypack, Frankford to Torresdale, Dewees Brothers, Fifth and Fisher's avenue, Philadelphia, \$9,179.26; Rorer street, Wyoming to Loudon, McCormick Brothers, Philadelphia, \$3,212.56; Somerville street, Fifteenth to Sixteenth, McCormick Brothers, Philadelphia, \$2,880.64; Tackawanna street, Vankirk to Howell, Gudknecht & Collison, Philadelphia, \$205.92; Terminal street, Broad to Eleventh, Keystone State Const. Co., Franklin Trust Building, \$20,424.00.

Schedule B—Asphalt Paving: Bidler and Twelfth streets, Barber Asphalt Paving Co., Land Title Building, \$13,692.49; Carlisle street, Bigler to Pollock, Barber Asphalt Paving Co., Land Title Building, \$3,889.30; Charles street, Harrison to Wakeling, Barber Asphalt Paving Co., Land Title Building, \$5,597.86; Chew street, Mervine to Twelfth, Barber Asphalt Paving Co., Land Title Building, \$5,249.40; Cooper street, Jenks to Kirkbride street, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$2,514.90; Crittenden street, Mt. Airy to Gowan, Mack Paving & Const. Co., Nicetown lane and C street, \$17,231.33; Crittenden street, Vernon road to Gorgas street, Mack Paving & Const. Co., Nicetown lane and C street, \$8,600.35; Marshall street, Roosevelt Boulevard to Loudon street, Barber Asphalt Co., Land Title Building, \$6,732.32; Horrocks street, Wakeling to Oxford, Union Paving Co., Thirtieth and Locust streets, \$10,543.26; Oregon avenue, Broad to Delaware avenue, Union Paving Co., Thirtieth and Locust streets, \$246,434.49; Oregon avenue, Broad to Eighteenth, Eastern Asphalt Co., Pennsylvania Building, \$53,371.04; Sedgwick and Wayne avenues, Mack Paving & Const. Co., Nicetown lane and C street, \$22,983.29; Sedgwick street, McCallum to Greene, Mack Paving & Const. Co., Nicetown lane and C street, \$7,884.96; Torresdale avenue, Vankirk to Robbins street, Barber Asphalt Co., Land Title Building, \$70,704.32; Torresdale street, Kennedy street to Faust street, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$34,569.41; Wellesley street,

McCallum street to Cherokee street, Philadelphia, Mack Paving & Const. Co., Nicetown lane and C street, \$9,998.80; Winston street, Ardleigh street to Willow Grove avenue, Barber Asphalt Co., Land Title Building, \$12,887.47; Seventy-second street, York road to Broad street, Mack Paving & Const. Co., Nicetown lane and C street, \$8,061.51; Seventy-second street, Walnut lane to Twenty-first street, Barber Asphalt Co., Land Title Building, \$7,304.18.

Schedule C—Country Road Improving: Allan J. Henderson, Washington lane, East of Chew, \$37,815.30; Thompson street, Wheat-sheaf lane to Orthodox street, Allan J. Henderson, Washington lane, East of Chew, \$14,288.40.

Schedule D—Surfacing: Union Paving Co., Thirtieth and Locust streets, \$67,145.50; Twentieth street, Moyamensing to Pattison street, Barber Asphalt Co., Land Title Building, \$62,276.46.

Schedule E—Asphalt Repaving: Eastern Asphalt Co., Pennsylvania Building, \$73,542.18; Twenty-second street, Moore street to Snyder avenue, Eastern Asphalt Co., Pennsylvania Building, \$22,477.98.

Schedule F—Redressed Granite Block Repaving: Mazolla & Morano, 739 South Seventh street, \$37,664.44; Fifth street, Snyder avenue to Porter street, Mazolla & Morano, 739 South Seventh street, Philadelphia, \$14,814.57; Sixth street, Snyder avenue to Porter street, Baton Const. Co., 1713 Sansom

street, Philadelphia, \$21,626.49; Thirteenth street, Snyder avenue to Shunk street, Mazolla & Morano, 739 South Seventh street, Philadelphia, \$16,577.58.

Schedule G—Paving and Repaving Certain Alleys: First District, G-1, no bids received; First District, G-2, M. & J. B. McHugh, Eighth and Glenwood avenue, \$4,166.06; Third District, G-3, J. J. McHugh, 1617 Race street, Philadelphia, \$1,822.20; Fifth District, no bids received; Sixth District, J. J. McHugh, 1617 Roce street, Philadelphia, \$6,179.52.

Schedule H—Filler for Asphalt Paving: E. J. Lavino, Bullitt Building, \$2,910.00.

Schedule I—Construction of Footways: J. F. & P. O'Rourke, Philadelphia, \$7,166.40.

Schedule J—Painting Coulter Street Bridge, George F. Dobbin, 1020 South Forty-seventh street, \$2,535.00.

Schedule K—Construction of Loading Platforms: Joseph E. Houseworth, 2512 North Twenty-seventh street, \$3,038.20.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Engineering, Philadelphia. Low bidders on work opened September 16th. **Schedule A—Curb and Sidewalks**, Frankford Creek: George F. Dobbin, 1020 South Forty-seventh street, Philadelphia, \$9,230.50. **Intercepting Sewer along Tacony Creek**, Ruscomb to Bingham, Joseph & Robert Lombardi, Lincoln Building, Philadelphia, \$15,443.00. **Schedule B—Grading and Improving City Property in Fortieth Ward**: George F. Dobbin, 1020 South Forty-seventh street, Philadelphia, \$62,290.00.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence (alts. and add.), 2203 Delancey Place, Phila. Architect, Louis H. Rush, 34 South Seventeenth Street, Philadelphia. Owner, Theodore J. Grayson, Stephen Girard Building, Philadelphia. Electric light, hot water heat, plumbing, metal weatherstrip, painting and glazing, plastering, tile and marble, oak floors, iron work, carpentry and millwork, structural steel, concrete work, brick work. Contract awarded H. E. Grau, 1707 Sansom Street, Philadelphia.

Residences (2), 3518-20 G Street, Philadelphia, \$8,000. Architect, private plans. Owner, Thomas A. Rafferty, 3331 Van Kirk Street, Philadelphia. Brick, 2 stories, 15x25 feet, 11x11 feet, slag roof,

hardwood and pine floors, hot water heat, electric light. Permit granted.

Residence, 4931 Fairhill Street, Philadelphia, \$5,000. Architect, private plans. Owner, Robert Konney, 4919 North Fifth Street, Philadelphia. Brick, 2 stories, 16x49 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to G. V. Simon, 4908 North Fourth Street, Philadelphia.

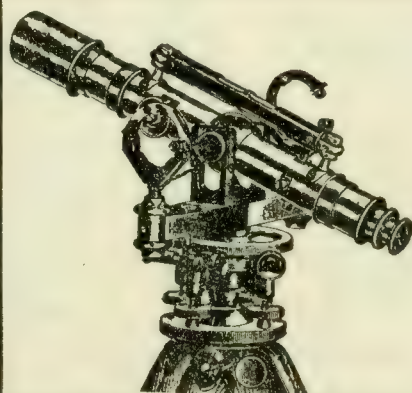
Garage, 2116-18 Elkart Street, Philadelphia, \$4800. Architect, private plans. Owner, Jacob E. Fisher, 2115 Vine Street, Philadelphia. Brick, 1 story, 35x17 feet, 50x1 feet, slag roof, cement floors. Contract awarded to John Enodh, 3059 Agate Street, Philadelphia.

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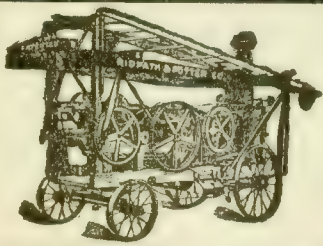
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Garage, 207-09 E. Rittenhouse Street, (rear) Philadelphia, \$3,600. Architect, private plans. Owner, Vincent Cupo, 207 E. Rittenhouse Street, Philadelphia. Brick, 1 story, 78 feet x irregular, slag roof, cement floors. Contract awarded to John R. Wills, 601 Locust Ave., Philadelphia.

Residence, Southeast corner of 86th St., east of Suffolk Avenue, \$3,000. Architect, private plans. Owner, Wesley Banks, 3010 South Eighty-sixth Street, Philadelphia. Concrete block, 2 stories, 14x24 feet, hot water heat, electric light, pine floors. Contract awarded to W. Matthews, 8421 Brewster Street, Philadelphia.

Residences (26) (alts. and add.), Ringgold Place, near Twenty-fourth and Pine streets, Philadelphia, \$156,000. Associate architects, Tilden & Register, 1520 Locust street, and George Wharton Pepper, Land Title Building, Philadelphia. Owners, name withheld. Hot water heat, concrete work, cement work, brick work, structural steel, carpentry, mill work, plastering, tile and marble work, painting, glazing, electric work, plumbing, hardware, dumb waiters, slag roof. Contract awarded to H. H. Burrell, 206 South Quince street, Philadelphia.

Residence and Office (alts. and add.), 1736 Pine street, Philadelphia, \$19,000. Architect, Solomon Kaplan, 10 South Eighteenth street, Philadelphia. Owner, Dr. M. Jacobs, 1316 South Sixth street, Philadelphia. Brick, 2 stories, 10x12 feet, shoring, cement work, stone, masonry, brick work, painting, glazing, plastering, iron stairs, iron work, structural steel, tin roof, metal lath, skylights, carpentry, mill work, composition floors, tile and marble, hot water heat, oil burning equipment, electric work, plumbing, wrought iron pipe. Contract awarded to Frank G. English & Sons, 1610 North Carlisle street.

Store Building, 1930 Chestnut street, Philadelphia. Architect, William Lowenthal, 1208 Chestnut street, Philadelphia. Owner, J. Goldman, 1624 Chestnut street, Philadelphia. Brick, concrete, granite, limestone, steel, 3 stories and basement, 80x22 feet, hot water heat, electric light, metal lath, tile and marble, copper skylights, bond, ornamental iron work, asphalt built-up roof, pine, oak and composition floors, painting, glazing, shoring, bronze grills. Contract awarded to Knox-Landers Co., 1132 Vine street, Philadelphia.

Residence (alts. and add.), Limekiln pike and Fitzwatertown road, Philadelphia. Architect, private plans. Owner, Dr. Fred W. Smith, Medical Arts Building, Philadelphia. Brick work, mill work, painting, glazing, plumbing, plastering, electric lighting. Con-

tract awarded to C. C. Eddleman, 1627 Sansom street, Philadelphia.

Warehouse, rear of 120 South Thirtieth street, Philadelphia, \$50,000. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owners, Schuylkill Warehouse Co., on premises. Brick, 2 stories, 60x134 feet, slag roof, cement floors. Contract awarded to Franklin M. Harris & Co., 1520 Parrish street.

Home, Roosevelt Boulevard, Philadelphia. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owners, Baptist Home, Seventeenth and Morris streets, care of Mr. P. L. Hess, Philadelphia. Brick, limestone, granite, cut stone, steel, 5 stories and basement, 187x141 feet, tile roof, cement and oak floors, hollow tile, elevators, roof ventilators, metal weather strip, dampproofing, architectural terra cotta, ornamental iron work, iron stairs, floor hardener, bond, kalamein and hollow metal lath, steam heat, electric light, plumbing, caulking, dumb waiter, painting and glazing, sound insulation, steel partitions, membrane and integral waterproofing, granite, limestone, Byers or Reading wrought iron pipe. Contract awarded Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Furniture Show Room, 3344-46 Kensington avenue, Philadelphia. Architect, L. Goldberg, 10 South Eighteenth street, Philadelphia. Owners, Kensington Furniture Co., on premises. Stone work, brick work, shoring, cement and concrete work, structural iron work, mill work, painting and glazing, metal window bars, terrazzo work, oak floors, hardware, plumbing, electric work, plastering, heating alterations, waterproofing, slag roof, ventilators. Contract awarded C. S. Bennett, 1633 South Fifty-ninth street, Philadelphia.

Alterations, 1917 Walnut street, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, Charles Golding Curtis, on premises. Contract awarded C. C. Eddleman, 1627 Sansom street, Philadelphia.

Residences (10), North side Princeton and West of Wissinoming. Architect, private plans. Owner, Helen G. Broadhead, 204 West Fifty-fifth street, New York, N. Y. Brick, 2 stories, 16x29 feet, hot water heat, electric light, pine floors. Contract awarded to R. J. Childs, 7022 Cottage street, Philadelphia.

Residence, South side Buist avenue, West of Seventy-sixth street, Philadelphia, \$6,000. Owner, James Carocino, 7828 Botanic avenue, Philadelphia. Brick, 2 stories, 16 feet 4 inches x 45 feet, 16 feet 4 inches x 9 feet, hot water heat, electric light, slag roof, yellow pine floors and hardwood. Contract awarded John Rae, 7834 Botanic avenue, Philadelphia.

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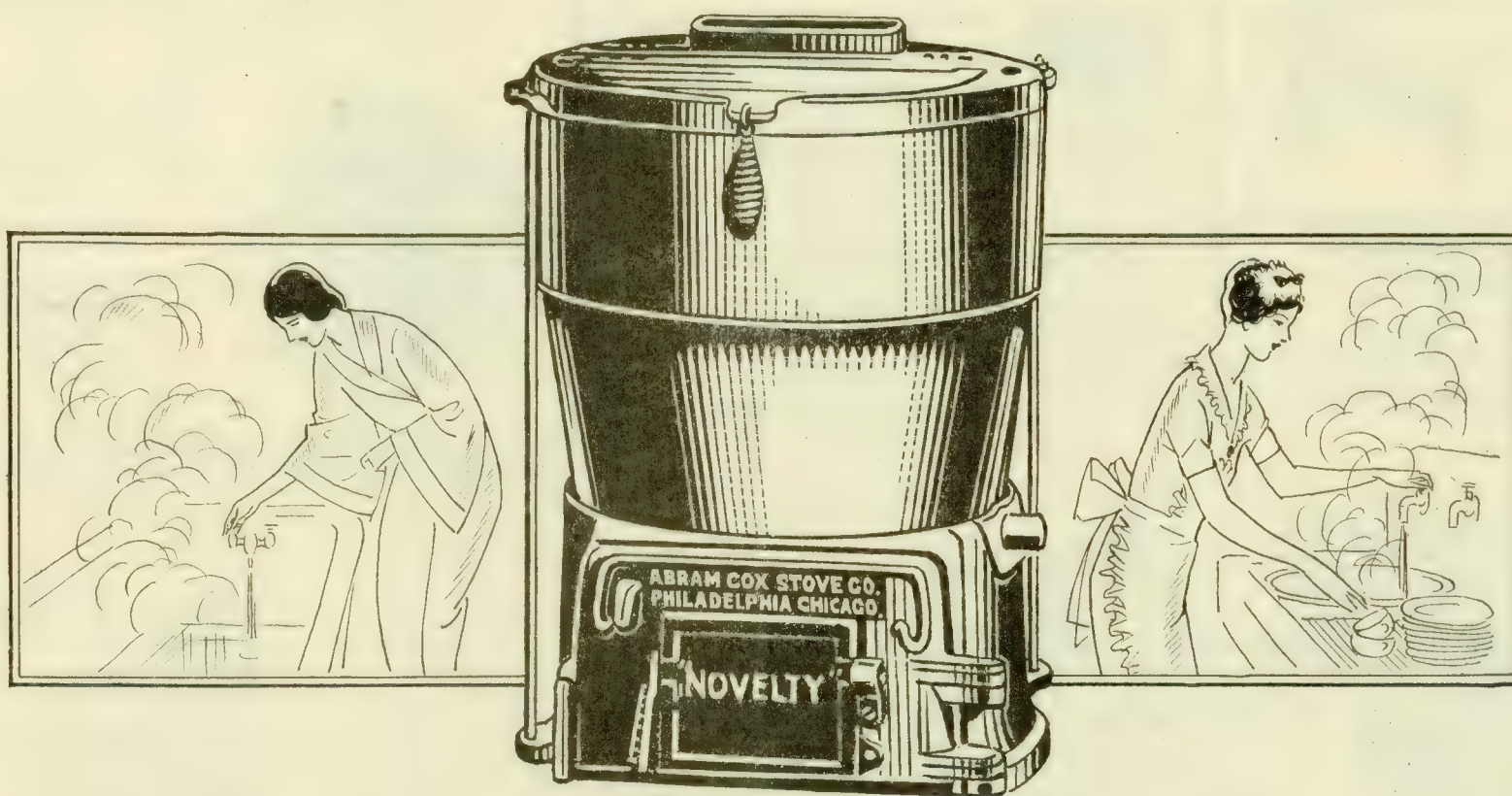
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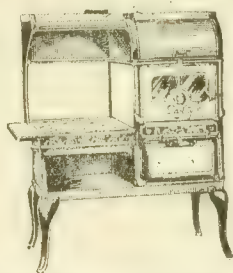
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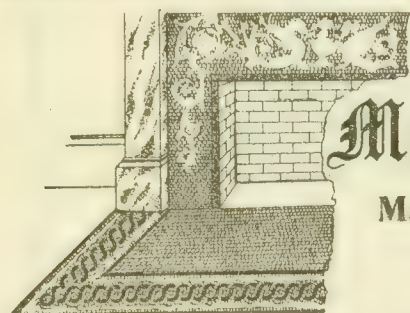


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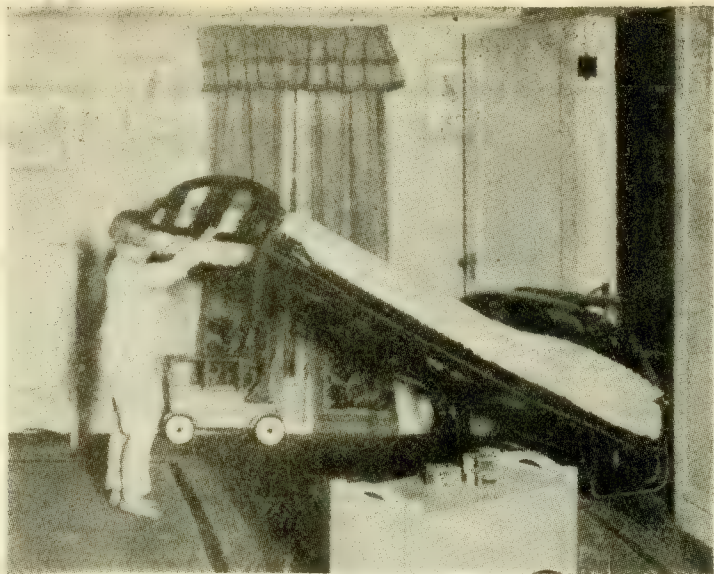
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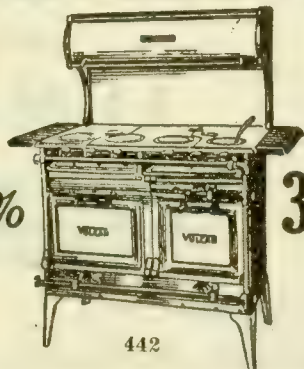
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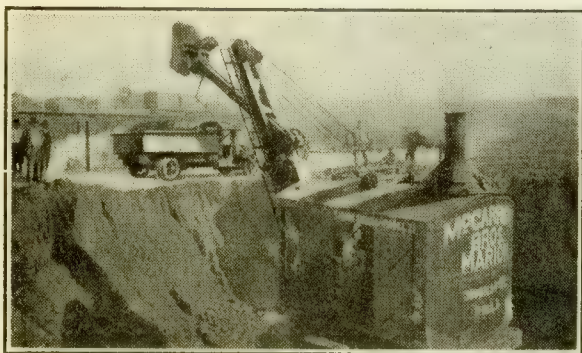
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Alterations to Buildings, Nos. 1, 3, 4, 5 and 8, Fiftieth and Merion avenue. Architect, William Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad, Broad Street Station, Philadelphia. Brick work, carpentry, mill work, plastering, concrete work, iron work. Contract awarded to F. A. Havens Co., 845 North Nineteenth street, Philadelphia.

Slaughter House (alts. and add.), Northwest Corner Third and Girard avenue, \$48,000. Engineer, C. W. Hallowell, 121 North Broad street, Philadelphia. Owners, Louis Burk, Inc., on premises. Brick, 1 story, 20x30 feet, general alterations. Contract awarded to John N. Gill Const. Co., 121 North Broad street.

Residence, North side Springer street, East of Wayne avenue, \$8,000. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, Glyndon Priestman, 5450 Germantown avenue, Philadelphia. Cinder block, 2 stories, 16x38 feet, hot water heat, electric light, hardwood and pine floors. Contract awarded to Samuel Harting & Son, 20 East Johnson street.

Residence (alts.) to Store, 2125 Walnut street, Philadelphia, \$2,500. Architect, Solomon Kaplan, 10 South Eighteenth street, Philadelphia. Owner, Frank J. Tartaglia, 8 South Sixteenth street, Philadelphia. Concrete work, oak floors, iron work, plastering, hardware, electric light, heating alterations, marble work, painting, glazing, ornamental iron work. Contract awarded to Edward M. Canny, Sixty-first and Sansom streets, Philadelphia.

Residence, North side Heischel street, West of Prospect road, \$8,000. Architect, private plans. Owner, Ralph S. Hibbs, Somerton, Pa. Hollow tile, 2 stories, 27x31 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded to Roy Randall, Jenkintown, Pa.

Car Storage Building, Piers 82 and 84, South, Philadelphia. Owners, Bureau of Wharves, Docks and Ferries, Bourse Building, Philadelphia. Contract awarded to Fish-Rutherford Co., 2313 Walnut street, \$173,268.50.

Swimming Pool and Bath House, Twenty-sixth and South streets, Philadelphia. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, City of Philadelphia, Department of Public Welfare, 595 City Hall, Philadelphia. Reinforced concrete, brick, limestone, steel, 1 story, swimming pool, 94x36 feet, bath house, 120x28 feet, asbestos asphalt shingle roof, cement floors (plumbing and electric separate), copper skylights, steel doors, bond, ornamental iron, Anti-Hydro waterproofing, bluestone. Contract awarded to Conneen Const. Co., 2315 Walnut street, \$32,972. Plumbing, Fred Wackenhut, 2416 Frankford avenue, Philadelphia, \$3,140. Electric, Harry Hart, 7010 Dittman street, Philadelphia, \$990.

Residences (2), 244-246 East Evergreen avenue, Philadelphia, \$11,000 total. Architect, private plans. Owner, E. L. Higgins, 248 East Evergreen avenue, Philadelphia. Brick,

2 stories, 16x40 feet, electric light, slag roof, hardwood and yellow pine floors. Contract awarded Robert Christy, 101 West Mt. Airy avenue, Philadelphia.

Manufacturing Building (add.), 4317 North Third street, Philadelphia, \$4,500. Architect, private plans. Owners, Ferso Machine Screw Co., on premises. Brick, 1 story, 54x60 feet, electric light, slag roof. Contract awarded Charles G. Erny, Southeast Corner Broad and Rockland streets.

Store and Residence (add. and alt.), 746 Morris street, Philadelphia, \$3,000. Architect, private plans. Owner, Donato Santilli, on premises. Brick, 2 stories, 12x14 feet, general alterations. Contract awarded to Fuirins Guardiani, 1004 Passyunk avenue, Philadelphia.

Theatre (alts.), Southeast Corner Eleventh and Lehigh avenue, Philadelphia, \$3,000. Architect, private plans. Owners, Stanley Company of America, 1916 Race street, Philadelphia. General alterations. Contract awarded T. S. Fetter, 1829 Filbert street, Philadelphia.

Foundations for Future Mill, Southeast Corner Second and Erie avenue, Philadelphia, \$9,500. Architect, private plans. Owners, Certain-teed Products Co., on premises. Concrete. Contract awarded to Stofflet & Tillotson, 209 Wesley Building.

Garage, Southwest Corner Springfield and St. Bernard streets, Philadelphia, \$30,000. Architect, private plans. Owner, Joseph Lupowitz, 324 West Roosevelt Boulevard, Philadelphia. Brick, 2 stories, 32x150 feet, iron work. Contract awarded Montgomery Iron Steel Co., 918 West Berks street.

Residence and Garages (6), East side Sixth street, South Cayuga street, \$27,500. Architect, private plans. Owner, Harry Gelsman, 332 Roosevelt Boulevard, Philadelphia. Brick, 2 stories, 15x28 feet 3 inches, hot water heat, electric light, slag roof, pine and hardwood floors. Contract awarded to Elin & Olivien, 332 Roosevelt Boulevard, Philadelphia.

Residence and Garage, East side Marshall street, North Bristol street, Philadelphia, \$21,000. Architect, private plans. Owner, Harry Gelsman, 332 Roosevelt Boulevard, Philadelphia. Brick, 2 stories, 15x28 feet 3 inches, hot water heat, electric light, pine and hardwood floors, slag roof. Contract awarded Elin & Olivien, 332 Roosevelt Boulevard.

Garage, 486 Kingsley street, Philadelphia, \$4,000. Architect, private plans. Owner, Charles B. Bennett, 5632 Ridge avenue, Philadelphia. Brick, 1 story, 20x128 feet, cement floor, electric light. Contract awarded Elmer L. Culbertson, 334 Roxborough avenue, Philadelphia.

Residence, North side Upland street, West of Sixty-sixth street, Philadelphia. Architect, private plans. Owner, Robert Hamilton, 6608 Upland street, Philadelphia. Brick, 2 stories, 16x38 feet, hot water heat, electric light, yellow pine floors and hardwood. Contract awarded Gotshall & Ralston, Seventh and Main streets, Darby.

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Residence (add.), 337 South Eighteenth street, Philadelphia, \$4,500. Architect, private plans. Owner, Dr. H. C. Deaver, 1701 Spruce street, Philadelphia. Brick, 3 stories, 14x13 feet, electric light, slate roof, hardwood and pine floors. Contract awarded C. F. Wells & Sons, 124 South Thirty-sixth street.

Store and Residence (add. and alts.), 1959 North Thirty-first street, Philadelphia, \$2,500. Architect, private plans. Owner, Morris Markovitz, 2129 Natrona street, Philadelphia. Brick, 1 story, 10x12 feet, hot water, electric light, pine floors, general alterations. Contract awarded Joseph Sosnoffsky, 3129 Montgomery avenue, Philadelphia.

Factory (add.), Northwest Corner Orthodox and Large streets, Philadelphia, \$30,000. Architect, private plans. Owners, Vesial Plush Co., on premises. Brick, 2 stories, 55x95 feet. Contract awarded Wintz Brothers, 1608 Sellers street, Philadelphia.

Garage, 1341-43-45 East Letterly street, Philadelphia, \$7,800. Architect, private plans. Owner, Mr. Buckley, 1934 East Cumberland street, Philadelphia. Brick, electric lights, cement floors. Contract awarded John R. Erbe, 2551 North Sixth street, Philadelphia.

Store and Residence, 551 Carpenter lane, Philadelphia, \$2,200. Architect, private plans. Owner, Francis Fitzpatrick, on premises. Brick, 1 story, 16x19 feet. Contract awarded Charles W. Sibel, 527 Carpenter lane, Philadelphia.

Garage, 1632 Bristol avenue, Philadelphia, \$2,000. Owner, Raymond H. Kemker, on premises. Brick, 1 story, 10x16 feet, electric light, cement floors. Contract awarded Wintz Brothers, 1618 Sellers street, Philadelphia.

Garage, South side Yocum, East Sixty-eighth street, Philadelphia, \$2,000. Owner, Harry G. Hersh, 6737 Woodland avenue, Philadelphia. Brick, 1 story, 63 feet 4 inches x 18 feet, 19x18 feet, electric light, cement floors. Contract awarded to S. N. Hirsh, 3722

Garrett road, Philadelphia.

Church, 3532-34 North Sixteenth street, Philadelphia, \$20,000. Architect, Jacob Naschold. Owners, Trinity Evangelical Lutheran Church, on premises. Brick, 2 stories, 38 feet 4 inches x 29 feet, 1 story, 18 feet 4 inches x 29 feet 6 inches, electric light. Contract awarded to H. D. Hastings, 1306 Atlantic avenue, Camden, N. J.

Manufacturing Building (alts.), Northwest Corner Twenty-third and Market streets, Philadelphia, \$7,000. Architect, private plans. Owners, Philadelphia Electric Co., 1000 Chestnut street, Philadelphia. General interior alterations. Contract awarded Franklin M. Harris Co., 1518-20 Parrish street.

Residences (6), North side Glenrock street, North Princeton avenue, Philadelphia, \$5,000 each. Architect, private plans. Owner, Robert Gereke, 7123 Torresdale avenue, Philadelphia. Brick, 2 stories, 16x42 feet, hot water heat, electric light, slag roof, pine and hardwood floors. Contract awarded Robert Gereke, 7123 Torresdale avenue, Philadelphia.

Office (add.), 3543 Germantown avenue, Philadelphia, \$4,500. Architect, private plans. Owner, William J. Thomas, on premises. Brick, 2 stories, 19 feet 6 inches x 17 feet 6 inches. Contract awarded to John Schuster, 3906 North Sixteenth street, Philadelphia.

Residences (2), East side Krewson road, North of Rhawn street, Philadelphia, \$4,300 each. Architect, private plans. Owner, Harry Kenan, Fox Chase, Philadelphia, Pa. Brick, 2 stories, 16x40 feet, hot water heat, electric light, slag roof, yellow pine and hardwood floors. Contract awarded Edward Gerchwent, Mt. Ephraim, N. J.

Store and Residence (add. and alts.), 1303 Dickinson street, Philadelphia, \$4,000. Architect, private plans. Owner, J. Di Stefano, on premises. Brick, 2 stories, 12x10 feet. Contract awarded to D Espinos, 1442 South Thirtieth street, Philadelphia.

Residences (3), East side Tulip, South of Disston street, Philadelphia, \$4,000 each. Architect, private plans. Owners, McKeown & Miller, 3312 I street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 30 feet, 11x10 feet, hot water heat, electric light, slag roof, yellow pine floors. Contract awarded Joseph Babolewski, 4615 Edmond street, Philadelphia.

Garage, rear 518 DuPont street, Philadelphia, \$3,300. Owner, Lloyd Albosta, on premises. Brick, 1 story, 57x200 feet, cement floors. Contract awarded E. R. Clark, 536 Walnut lane, Philadelphia.

Residence (add.), 6646 Lincoln Drive, Philadelphia, \$2,750. Architect, private plans. Owner, C. J. Rainear, on premises. Brick, 2 stories, 18x10 feet. Contract awarded William C. Wright & Son, 22 Harvey street, Philadelphia.

Residence (add.), 3119 Richmond street, Philadelphia, \$2,000. Architect, private plans. Owner, F. Trygar, on premises. Brick, 2 stories, 16x16 feet. Contract awarded A. France, 2938 Richmond street, Philadelphia.

Manufacturing Building (alts.), 2011-13 North street, Philadelphia, \$2,000. Architect, private plans. Owners, Stranahan & Elliott Co., 2007 North street, Philadelphia. General alterations. Contract awarded Turner Const. Co., 1713 Sansom street, Philadelphia.

Store and Residence (add.), 1638 Lombard street, Philadelphia, \$2,300. Architect, private plans. Owner, S. H. Summer, on premises. Brick, 3 stories, 14x16 feet 5 inches. Contract awarded Joseph Cichiny, Inc., 738 Corinthian avenue, Philadelphia.

Store and Residence (add.), 3015 North Twenty-second street, Philadelphia. Architect, private plans. Owner, Julius Panati, on premises. Brick, 2 stories, 16x23 feet. Contract awarded Gaetans Salvato, 2211 North Front street, Philadelphia.

Store and Residence (add.), 5065 Parrish

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street, Philadelphia. Architect, private plans. Owner, Patrick H. Mullen, on premises. Brick, 1 story, 12x3 feet. Contract awarded Girdy Brothers, 134 Pakin street, Philadelphia.

Residence, West side Claridge street, North of Shelmire street, \$5,500. Architect, private plans. Owner, Walter Webb, 6320 Rising Sun avenue, Philadelphia. Brick, 2 stories, 27x37 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded to Frederick Dietrich, Frankford and Deaver street.

Manufacturing Building (alts.), South side Washington avenue, West of Twentieth street, Philadelphia, \$4,500. Owners, Phosphorus Bronze Smelting Co., Twenty-second and Washington avenue. General alterations. Contract awarded to Belmont Iron Works, Twenty-second and Washington avenue.

Residence (add.), 6455 Overbrook avenue, Philadelphia, \$3,500. Architect, private plans. Owner, M. S. Gore, on premises. Stone, 2 stories add., 18x18 feet. Contract awarded to Hood & Gross, 1613 Chestnut street, Philadelphia.

Residence (alts.), Northeast Corner St. Mar-

tins and Willow Grove avenue. Architect, private plans. Owner, W. P. Starkey, 1112 Packard Building, Philadelphia. General alterations. Contract awarded to J. C. Funck, Springfield, Pa.

Garage, 8134 Germantown avenue, Philadelphia, \$2,300. Architect, private plans. Owner, Robert H. Aiman, on premises. Cement block, 1 story, 68 feet 6 inches x 20 feet, slag roof, cement floors. Contract awarded to Lawrence Sacker, Ambler, Pa.

Residence (alts.), 2839 Allegheny avenue, Philadelphia, \$2,000. Architect, private plans. Owner, Mrs. Anna M. Jacoby, 1739 North Sixteenth street, Philadelphia. General alterations. Contract awarded to Jacob Sklar, 5931 Spruce street, Philadelphia.

Residences (7), Newmarket and Spring Garden streets, \$67,600. Architect, private plans. Owner, S. K. Allman, Finance Building, Philadelphia. Brick, 3 stories, 15x59 feet and 17x59 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to S. H. Levin, 1631 South Fifth street, Philadelphia.

PENNSYLVANIA

Construction News

Residence and Garage, Elkins Park, Pa. Architects, Silverman & Levy, Elrae Building, Philadelphia. Owner, J. Leonard Sessler, Elkins Park, Pa. Hollow tile, stucco, 2½ stories, 40x60 feet. Plans about completed.

Store and Office, Adams street, Scranton, Pa. Architect, Lseter M. Davis, 616 Spruce street, Scranton, Pa. Owner, P. Casey, Hotel Casey, Scranton, Pa. Brick, steel, 2 stories, 40x90 feet. Plans in progress.

Residence and Garage, Pennsylvania avenue, Bryn Mawr, Pa. Architects, Thomas B. Lippincott and Charles Schaef, 11 South Sixteenth street, Philadelphia. Owner, Joseph H. Morris, 864 Lancaster avenue, Bryn Mawr, Pa. Frame, hollow tile, brick and stucco, 2½ stories, 28x42 feet, garage, 1 story, 20x24 feet, hardwood and linoleum floors, wood shingle roof, tile work, hot water heat, electric light. Plans in progress.

Residences (730), Church lane and Long lane, Upper Darby, Pa. Architects, E. Allen Wilson & William Lowenthal, 1208 Chestnut street. Owners, Biddle & Baker, 732 South Fifty-second street, Philadelphia. Cement block, stone and stucco, 2 stories, 16x32 feet, slate and slag roof, hardwood floors, hot water heat, electric light, metal lath, tile work, garages in basements, cement work. Owners taking sub-bids on first 134 due September 25th.

Store and Apartment, North Main street, Scranton, Pa. Architect, P. J. Morris, Mears Building, Scranton, Pa. Owner, Thomas Morris, 409 North Main street, Scranton, Pa. Frame and stucco, 2 stories and basement, 50x40 feet, slag roof, hardwood floors, metal ceilings, copper work, plate glass, vapor vacuum heat, electric light. Owner taking bids due in ten days.

Residence, Clark's Summit, Pa. Architect, P. J. Morris, Mears Building, Scranton, Pa. Owner, William Baldwin, Clark's Summit, Pa. Frame and stucco, 2 stories, 32x41 feet, shingle roof, hardwood floors, vapor vacuum heat, electric light, tile work. Owner taking bids.

Warehouse, Scranton, Pa. Architect, G. T. Price, 616 Spruce street, Scranton, Pa. Owners, Greenberger & Co., 113 Franklin avenue, Scranton, Pa. Brick, steel, concrete, 2 stories, 76x107 feet, slag roof, maple floors, hollow tile, elevators, waterproofing, iron stairs, rolled steel sash, electric light. Architect tak-

ing bids due in one week.

Lodge (alts. and add.), Scranton, Pa. Architects, Morris & McHale, Mears Building, Scranton, Pa. Owners, Fraternal Order of Eagles, care of architects. Brick, steel, 4 stories, 40x80 feet, tin roof, pine floors, hollow tile, elevators, ornamental iron, iron stairs, rolled steel sash and skylights, tile and marble, metal lath, electric light. Architects taking sub-bids.

Store Front, Dupont, Pa. Architect, P. J. Rutledge, care of J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, H. L. Friend, Main street, Dupont, Pa. Copper work, plate glass, general interior alterations, metal ceilings. Owner will build.

School (add.), Scranton, Pa. Architect, F. A. Nelson, Connell Building, Scranton, Pa. Owners, St. Ann's Roman Catholic Church, Bryn Mawr avenue, Scranton, Pa. Brick, steel, 2 stories, 60x38 feet, asbestos felt roof, hardwood floors, safety treads, roof ventilators, iron stairs, bond, kalamein doors, rolled steel sash, steam heat (heating, plumbing and electric separate. Architect taking sub-bids.

Store (alts. and add.), Nanticoke, Pa. Architect, G. T. Price, 616 Spruce street, Scranton, Pa. Owner, Philip Cohen, 226 Market street, Nanticoke, Pa. Brick, frame, 1 story, 26x48 feet, tin roof, pine floors, metal ceilings. Owner taking sub-bids.

Residences and Garages (2), Merwyn road, Merion, Pa. Architect, Arthur C. Behr, 1326 Robinson street, Philadelphia. Owner, William A. Hexamer, Merion, Pa. Stone and frame, 2 and 3 stories, 28x48 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Owner will build.

School (Grade and High), Second and Turner streets, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown. Owners, Allentown School Board, 29 South Penn street, Allentown, Pa. Brick, steel, concrete, 3 stories, 135x181 feet, built-up roof, hardwood and composition floors, hollow tile, dumbwaiters, roof ventilators, safety treads, waterproofing and dampproofing (heating, plumbing and electric separate), metal lath, tile and marble, steel sash and skylights, fire doors, bond, iron stairs, ornamental iron. Owners will be ready for bids next week.

Residence (alts. and add.), Bryn Mawr, Pa. Architect, R. B. Okie, 306 South Smedley

street, Philadelphia. Owner, Dr. G. W. Norris, Bryn Mawr, Pa. Stone, 2½ stories, 25x50 feet, general alterations. Plans about completed. Ready for bids in about ten days.

Twin Residences (46), Aronomink, Pa. Architect, private plans. Owners, Fremont & Co., Drexel Hill, Pa. Stone and stucco, 2½ stories, 22x36 feet, garage, 1 story, 10x18 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Owners taking sub-bids.

Club House (add.), Pottstown, Pa. Architect, Carl P. Berger, 1512 Walnut street, Philadelphia. Owners, Loyal Order of Moose, Pottstown, Pa. Architect will be ready for bids in a few days.

Senior High School, York, Pa. Architect, J. B. Hamme, City Bank Building, York, Pa. Owners, School District of York, Pa., Edward W. Neuman, chairman Building Committee; David N. Crider, secretary of Board, Central School Building, West King street, York, Pa. (Plumbing and drainage, electrical work, heating and ventilating separate bids). Bond. Certified check 5 per cent. of bid or surety company bond 10 per cent. of bid must accompany bid. Plans may be secured from D. N. Crider, secretary. Deposit of \$100.00 on general construction plans (\$85.00 refund). Deposit of \$50.00 on mechanical plans (\$35.00 refund). Plans may be seen at Builders' Exchange, 1716 Arch street, Philadelphia. Owners taking bids due October 15th at 1 P. M.

Norman School, Bloomsburg, Pa. Architects, M. E. Kressly & Co., Commonwealth Building, Harrisburg. Owners, Bloomsburg State Normal School, Bloomsburg, Pa. Owners taking bids due September 28th at 6 P. M.

Sewerage System, Fifth, Sixth and Fern streets), Darby, Pa. Engineer, A. S. Damon, Post Office Building, Upper Darby, Pa. Owners, Borough of Darby, E. R. Franklin, secretary, Darby, Pa. Owners taking bids due October 5th.

Sanitarium (alts. and add.), Kingston, Pa. Architects, Mack & Salm, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Wyoming Valley Sanitarium, F. J. Richards, Kingston, Pa. Brick, 2 stories. Preliminary plans in progress.

Rectory, Wilkes-Barre, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owners, St. Aloysius' Congregation, Rev. McCaully, Wilkes-Barre, Pa. Brick, stucco, 3 stories, 51x65 feet, slate roof, hardwood floors, vapor heat, electric light, tile and marble, ornamental plaster. Plans in progress.

School (add.), Auditorium and Gymnasium, Wilkes-Barre, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, name withheld. Steel, concrete, 2 stories and basement, 56x113 feet, slag roof, tile and composition floors, hollow tile, waterproofing, ornamental iron and plaster, rolled steel sash, tile and marble, metal lath, hot water heat, electric light. Plans in progress.

Residence, Beaver Creek, Pa. Architects, Jones & Levy, 176 South Main street, Wilkes-Barre, Pa. Owner, Mrs. Albert Lewis, Bear Creek, Pa. Frame and stucco, 2½ stories, 100x24 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Residence, Kingston, Pa. Architect, T. S. Newman, Wilkes-Barre, Pa. Owner, William Evans, care of architect. Brick, 2 stories, 32x30 feet, 20x12 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Plans in progress.

Parsonage, 499 South Franklin street, Wilkes-Barre, Pa. Architect, H. G. Cook, Miners' Bank Building, Wilkes-Barre, Pa. Owners, First Reformed Church, H. F. Goeringer, Wilkes-Barre, Pa. Brick, stone, 3 stories, 59x23 feet, slate roof, hardwood floors,

vapor heat, electric light, tile work. Owners will take sub-bids.

Residence, Wilkes-Barre, Pa. Architect, T. S. Newman, Wilkes-Barre, Pa. Owner, Thomas McAndrew, 332 New Grant street, Wilkes-Barre, Pa. Brick veneer and tile, 3 stories, 28x45 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Plans completed.

School (add.), Edwardsville, Pa. Architect, J. A. Boyle, Bennett Building, Wilkes-Barre, Pa. Owners, Edwardsville School District, care of secretary, Edwardsville, Pa. Brick, steel, 2 stories, 66x31 feet, slag roof, pine floors, roof ventilators, metal lath, steam heat, electric light. Will be ready for bids in two weeks.

Moving Picture Theatre (alts. and add.), Miners' Mills, Pa. Architect, H. G. Cook, Miners' Bank Building, Wilkes-Barre, Pa. Owner, Steven Dzenes, 36 West Thomas street, Miners' Mills, Pa. Frame, 1 story, 40x18 feet, shingle roof, pine floors, electric light, fire doors. Owner will take bids.

Hospital (add.), Wilkes-Barre, Pa. Architect, J. A. McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owners, Mercy Hospital, A. C. Campbell, secretary, Wilkes-Barre. Fireproof, brick and tile, 44x100 feet, 44x70 feet, slag and tile roof, composition floors, hollow tile, elevators, safety treads, waterproofing and dampproofing, heating extension, electric light, metal lath, tile and marble, iron stairs. Ready for bids.

Warehouse, Scranton, Pa. Architect, G. T. Price, 616 Spruce street, Scranton, Pa. Owners, Greenberger & Co., 113 Franklin street, Scranton, Pa. Brick, steel, concrete, 2 stories, 76x107 feet, slag roof, maple floors, hollow tile, elevators, waterproofing, iron stairs. Architect taking bids due about September 24th.

School, Huntingdon Valley, Pa. Architects, Druckenmiller & Williams, 801 Otis Building, Philadelphia. Owners, Lower Moreland Township, W. Ridgeway, Huntingdon Valley, Pa. Brick, 2 stories, 75x80 feet. Owners taking revised bids due September 28th.

Garage, Natson Ford street, East of Philadelphia & Western Railroad, Upper Merion Township, Pa. Architect, private plans. Owner, Howard Auch, on premises. Brick, steel, 1 story, 54x47 feet, rubberoid roof, cement floors, electric light, rolled steel sash, copper skylights. Owner taking bids due as soon as possible.

Cottages (2), Laurelton, Pa. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owners, Laurelton State Village for Feeble Minded, Laurelton, Pa. Stone, reinforced concrete, 2½ stories, 100x84 feet, slate roof, cement floors, steam heat, electric work. Ready for bids due October 9th.

Pennsylvania

Contracts Awarded

Junior High School, Haverford Township, Pa. Architects, Boyd, Abel & Gugert, Otis Building, Philadelphia. Owners, Haverford Township School Board, J. W. Huff, superintendent, Haverford, Pa. Stone, brick, reinforced concrete, cut stone, 2 stories and base-

ment, 200x71 feet (plumbing, heating and electric separate), slag roof, cement, maple and linoleum floors, painting, glazing, metal lath, tile work, metal window guards, bond, ornamental iron, vault doors, bluestone. Contract awarded to Bowden Const. Co., 1607 Summer street, Philadelphia.

Nave (add.), Cynwyd, Pa. Architects, Zant-zinger, Borie & Medary, Otis Building, Philadelphia. Owners, St. John's Lower Merion Baptist Church, Cynwyd, Pa. Concrete, stone, brick, limestone, cut stone, 1 story, 58x36 feet, steam heat, electric light, metal lath, variegated slate roof, oak floors, painting and glazing, hardware, bond, artificial stone, Byers or Reading wrought iron pipe, Dura-flex floors. Contract awarded to H. H. Conway, 5800 Walnut street, Philadelphia.

Gymnasium Building, Sixty-sixth and Haverford avenue and City Line, Overbrook, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Friends' Central School, Fifteenth and Race streets, Philadelphia. Brick, stucco, cut stone, steel, 1 story, mezzanine and basement, 99x66 feet, variegated slate roof, cement and composition floors, hollow tile, waterproofing, metal lath, tile work, bond, iron stairs, ornamental iron, metal toilet partitions (plumbing, heating and electrical work reserved). Contract awarded to Barclay White Co., 1713 Sansom street, Philadelphia.

School, Lumber and Turner streets, Allentown, Pa. Architects, Rhue & Lange, 10 North Sixth street, Allentown, Pa. Owners, Allentown School Board, T. P. Wenner, secretary, Allentown, Pa. Brick, reinforced concrete, cut stone, steel, 3 stories and basement, 228x65 feet, slag roof, maple and cement floors, hollow tile, safety treads, waterproofing, ornamental iron, bond, rolled steel sash, tile and terrazzo, metal lath, granite. Contract awarded to Friel-McLeister, Inc., 1615 Spruce street, Philadelphia. Plumbing to Corbet Brothers, Reading, Pa. Heating and electrical work not yet awarded.

Store, Lancaster, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owners, Ross Store Co., Inc., 288 Sixth avenue, New York. Brick, steel, 3 stories, 33x150 feet, slag roof, maple floors, roof ventilators, metal ceilings, plate glass, copper, tile and terrazzo work, steam heat, electric light. Contract awarded to F. F. Speck Const. Co., Bethlehem, Pa.

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Warehouse, Bethlehem, Pa. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owners, Bethlehem Plumbing Supply Co., Bethlehem, Pa. Brick, steel, 2 stories, 130x90 feet, slag roof, concrete floors, steel sash. Contract awarded to Raymond Rath, Bethlehem, Pa.

Residences (4), Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owner, name withheld. Brick, 2 stories, 29x46 feet, slag and asbestos shingle roof, pine floors, hot water heat, electric light, tile work. Contract awarded to Gottlieb Schneider, 1434 Monocacy avenue, Bethlehem, Pa.

Church, Kennett Square, Pa. Architects, Price & Walton, 110 South Fourth street, Philadelphia. Owners, Kennett Square Baptist Church, Rev. Bergen D. Steele, Kennett Square, Pa. Stone, 1½ stories, 35x75 feet, slate roof, maple floors, steam heat, electric light, tile work. Contract awarded to Harry L. McLimans, West Grove, Pa.

Residence and Garage, Ithan, Pa. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owner, James Lazaras, Stock Exchange Building, Philadelphia. Stone, 2½ stories, 33x50 feet, hardwood, pine and cement floors, hot water heat, electric light, tile work. Contract awarded to W. H. Eddleman & Son, 453 Green Lane, Roxborough, Philadelphia.

Stores (3), Wyoming avenue, Scranton, Pa. Architect, G. T. Price, 616 Spruce street, Scranton, Pa. Owner, Edward Boyle, Wyoming avenue, Scranton, Pa. Hollow tile, brick, 1 story, 50x50 feet, slag roof, pine floors, metal ceilings, plate glass, copper work, steam heat, electric light. Contract awarded to H. Camine, Scranton, Pa.

Show Room and Garage, Scranton, Pa. Architect, G. T. Price, Miller Building, Scranton, Pa. Owners, Hy-Grade Tire & Supply Co., 347 Adams avenue, Scranton. Brick, steel, 1 and 2 stories, 24x90 feet, slag roof, pine floors, terra cotta front, iron stairs, rolled steel sash, steam heat, electric light. Contract awarded to Max Rabinowitz, 729 Jefferson street, Scranton, Pa.

School, Butztown, Pa., \$33,000. Architect, E. H. Wenzelberger, 3 Center Square, Easton, Pa. Owners, Bethlehem Township School Board, Mr. Arbogast, R. F. D., Easton, Pa. Brick, steel, 1 story, 64x100 feet, slate roof, pine floors, hollow tile (heating, electric and plumbing separate), roof ventilators, waterproofing and dampproofing, iron stairs, bond, skylights, metal lath. Contract awarded to F. B. Glassmire, Bethlehem, Pa. Electric to Bethlehem Electric Co., Bethlehem, Pa. Heating and plumbing to Edwin Stipe, Easton, Pa.

Residence, Jenkintown, Pa. Architect, L. Walton Heiss, Jenkintown, Pa. Owner, Theodore Buchner, care of architect. Concrete block, stucco, 2½ stories and basement, 24x36 feet, asbestos shingle roof, oak and pine floors, hot water heat, electric light. Contract awarded to E. D. Lever, Abington, Pa.

Power House and Tower House, Birdsboro, Pa. Architect, Samuel T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Brick, 1 story and 2 stories, 17x23 feet, 17x21 feet, slag roof, cement floors, steam heat, electric light. Contract awarded to A. L. Carhart, Penfield Building, Philadelphia.

Residence (alts.), Strafford, Pa., \$16,000. Architect, Noel R. Dalton, Radnor, Pa. Owner, John Dawson, on premises. Hot water heat, electric light, carpentry and mill work, plastering, painting and glazing, hardware, plumbing, tile work, ornamental iron work. Contract awarded to S. A. Sims Co., 2313 Walnut street, Philadelphia.

Residence and Garage, Swarthmore, Pa. Architect, J. Linerd Conaroe, 225 South Syden-

ham street, Philadelphia. Owner, W. S. Lewis, Swarthmore, Pa. Hollow tile, frame, stucco, 2½ stories, 39x28 feet, 24x21 feet, irregular, hot water heat, electric light, marble work, shingle roof, hardwood and cement floors. Contract awarded to Adolph Kern, Lansdowne, Pa.

Y. M. C. A. (alts. and add.), Easton, Pa. Architects, Thomas, Martin & Kirkpatrick, 920 South Sixteenth street, Philadelphia. Owners, Young Men's Christian Association, Easton, Pa. Reinforced concrete, brick, steel, new third and fourth floor add., 65x25 feet, slag roof, cement and maple floors, hollow tile, plumbing, painting and glazing, steam heat, electric light, metal lath, rolled steel sash, bond, floor hardener, wrought iron pipe. Contract awarded to R. T. & C. D. Stewart, Easton, Pa.

Residences (2), Bryn Mawr, Pa. Architect, private plans. Owners, Dolman Brothers, Liberty Building, Philadelphia. Cinder concrete block, brick, stone, stucco, 2½ stories and basement, 37x25 feet, wing 24x19 feet, each shingle roof, oak and pine floors, plumbing, vapor heat, electric light, bond, wrought iron pipe. Contract awarded to Metzger, Fisher & White, Otis Building, Philadelphia.

Bleachers, Gettysburg, Pa. Architect, George C. Baum, 1511 Arch street, Philadelphia. Owners, Gettysburg College, Rev. H. A. Hansen, Gettysburg, Pa. Timber and steel, 40x300 feet. Contract awarded to A. R. Warner, Waynesboro, Pa.

Ninth Street Bridge, over Chester River, Pa. Engineer, S. C. Hollister, Media, Pa. Owners, Delaware County, G. T. Wades, Media, Pa. Contract awarded to Mundy Paving & Const. Co., 226 South Warnock street, Philadelphia, \$166,000.

Shoemakersville Bridge, over Ridley Creek, Pa. Architect, S. C. Hollister, Media, Pa. Owners, Delaware County, G. T. Wades, Media, Pa. Contract awarded to Whiting-Turner Construction Co., Baltimore, Md., \$175,000.

Road Work, Pennsylvania. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa.

Beaver County, A-1950, Hopewell and Independence Townships. Contract awarded to Jones Const. Co., Sycamore, Pa., \$154,853.98.

Erie County, R-271, Union Township, Union City Borough. Contract awarded to J. C. Devine, Alliance, Ohio, \$114,443.30.

Westmoreland County, R-119, Unity and Hempfield Townships. Contract awarded to Herrmann & Cass, Latrobe, Pa., \$224,897.25.

Armstrong County, R-69, East Franklin Township, \$111,382.20. Contract awarded to M. J. McMahon, DuBois, Pa.

Armstrong County, A-3027, East Franklin Township, \$91,864.19. Contract awarded to Johnson, Drake & Pipe, Inc., Minneapolis, Minn.

Venango County, Route 75, Richland Township, \$163,703.38. Contract awarded to Standard Paving Const. Co., Chicago, Ill.

Potter County, R-102, Ulysses and Sweden Townships, \$743,567.19. Contract awarded to D. L. Dennis, Smethport, Pa.

Hotel (alts.), 217-19 Wyoming avenue, Wilkes-Barre, Pa. Architect, C. W. Evans, Coal Exchange Building, Wilkes-Barre, Pa. Owner, C. Weisman, 2 Terrace street, Wilkes-Barre, Pa. Brick, 4 stories, 40x150 feet, general interior alterations. Contract awarded to E. S. Williams, Scranton, Pa.

Church and Rectory, Wilkes-Barre, Pa., \$250,000. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre. Owners, St. Aloysius' Congregation, Rev. McCarthy, Wilkes-Barre, Pa. Structural steel, stone, brick, 1 story and basement, slate roof, hardwood and tile floors, hollow tile, vapor heat, electric light, metal lath, tile and marble, rolled steel sash, ornamental iron. Contract

awarded to A. M. Hildebrand, Wilkes-Barre, Pa.

Convent, Wilkes-Barre, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owners, St. Mary's Greek Catholic Church, Wilkes-Barre, Pa. Brick veneer, 3 stories, 50x26 feet, slate roof, pine floors, steam heat, electric light, tile work. Contract awarded to East End Lumber Co., Wilkes-Barre, Pa.

Chapel, Neraneola, Luzerne County, Pa. Architect, T. S. Newman, Wilkes-Barre, Pa. Owners, Mission of St. Clement, Wilkes-Barre, Pa. Stone, 1 story and basement, 221x45 feet, 16x9 feet, slate roof, pine floors, electric light. Contract awarded to A. M. Hildebrand, Wilkes-Barre, Pa.

Residence, Harvey's Lake, Pa. Architect, T. S. Newman, Wilkes-Barre, Pa. Owner, name withheld. Frame, 1½ stories, 28x16 feet, shingle roof, pine floors, electric light. Contract awarded to Julian Sosnowski, Edwardsville, Pa.

Road Work, Pennsylvania. Owners, Penna. Dept. of Highways, Harrisburg, Pa.

Beaver Co., R-115, Center and Potter Township, \$115,034.13. Contract awarded to J. C. Devine Co., Alliance, Ohio.

Montgomery Co., A-2697, Hatfield Borough, \$57,450.39. Contract awarded to Juniata Co., Empire Building, Philadelphia.

Beaver Co., A-3316, Economy Township, \$40,078.30. Contract awarded to Geo. S. White Co., Pittsburgh, Pa.

Mercer Co., A-3451, ymatuning Township, \$80,767.46. Contract awarded to Meredith and McVaugh, Castle Shannon, Pa.

New Jersey Construction News

Apartment (alts.), Atlantic City, N. J. Architect, A. L. Brooks, Humphrey Building, Atlantic City, N. J. Owner, name withheld. Brick, steel, concrete, 4 stories, 80x90 feet, slag roof, hardwood floors, steam heat, electric light. Plans in progress.

Hotel (add. and alts.), South Virginia avenue, Atlantic City, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owners, Hotel Kaufman, Virginia avenue, Atlantic City, N. J. Brick, steel, 7 stories, 40x70 feet, slag roof, hardwood floors, elevators, steam heat, electric light, metal lath, tile and marble. Revised plans in progress.

Stores (5), Apartments (2) (alts. and add.), Atlantic City, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, Samuel Mishler, South La Clede avenue, Atlantic City. Brick, 3 stories, 29x29 feet, composition roof, pine floors, hot water heat, electric light. Owner will take bids.

Hotel Eastbourne (add. and alts.), Pacific avenue, Atlantic City. Architect, William Macy Stanton, 1524 Chestnut street, Philadelphia. Owner, Henry S. Hamilton, Pacific avenue and Park Place, Atlantic City, N. J. Reinforced concrete, brick, steel, 7 stories, 48x47 feet, slag roof, cement and oak floors, shoring, ornamental iron, iron stairs, bond, rolled steel sash, tile and marble, metal lath (heating, plumbing, electric work, kitchen equipment, refrigeration plant reserved), precast stone. Architect taking bids due September 25th at 4 P. M.

Apartment House, Atlantic City, N. J. Architect, C. H. Adams, Chelsea Bank Building, Atlantic City, N. J. Owners, Maurice Seier and H. Abel, Atlantic City, N. J. Brick, 3 stories, 40x135 feet, slag roof, pine floors, hot water heat, electric light. Owners will build.

Warehouse, Atlantic City, N. J. Architect, W. S. Hewitt, Guarantee Trust Building, At-

Atlantic City, N. J. Owner, Charles R. Esher, 12 South Connecticut avenue, Atlantic City, N. J. Brick, concrete, steel, 2 stories, 85x100 feet, slag roof, wood floors, electric light, rolling doors. Owner will build.

Residences (3), West Atlantic City, N. J. Architect, A. L. Brooks, Humphrey Building, Atlantic City, N. J. Owners, Fox Manor Development Co., Guarantee Trust Building, Atlantic City. Stucco, frame, brick, 2½ stories, 28x24 feet, tile and slate roof, hardwood floors, hot water heat, electric light. Owners will build.

Armory, Westfield, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, State of New Jersey, Trenton, N. J. Brick, reinforced concrete, steel, 1 story, 243x148 feet, green slate and slag roof, maple floors (plumbing, heating, electric separate). Lowest bidders: Sobray-Whitecomb Co., 105 West Fortieth street, New York, \$143,011.00. Plumbing, J. T. Evans, Wilkes-Barre, Pa., \$10,368.26. Heating, J. T. Evans, Wilkes-Barre, Pa., \$7,945.97. Electric, Eastern Electric Const. Co., 1219 Mt. Vernon street, Philadelphia, \$3,200.00.

Reception Building and Infirmary, Trenton, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, State Home for Girls, Trenton, N. J. Lowest bidders: Reception Building—Thomas Day & Son, Hunt Building, Trenton, N. J., \$103,157.00; plumbing, J. T. Evans, Wilkes-Barre, Pa., \$12,337.91; heating, J. T. Evans, Wilkes-Barre, Pa., \$8,729.04; electric, Randolph Electric Co., Trenton, N. J., \$3,990.00; elevator, Atlantic Elevator Co., Pennsylvania Building, Philadelphia, \$3,462.00. Infirmary—C. J. Smith Const Co., 202 Academy street, Trenton, N. J., \$49,208.00; plumbing, Piper Brothers, 340 North Broad street, Trenton, N. J., \$3,620.00; heating, J. T. Evans, Wilkes-Barre, Pa., \$11,416.16; electric, Jackson Electric Co., Forst Richey Building, Trenton, N. J., \$1,090.

Nurses' Residence, Staff House and Doctors' Cottage, Skillman, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, State of New Jersey, Dr. F. Weeks, Skillman, N. J. All bids rejected.

Ray Pines Greenberg Building, Ventnor, N. J. Architect, Leroy B. Rothschild, 215 South Broad Street, Philadelphia. Associate Architect, H. A. Stout, Atlantic City, N. J. Owner, Jewish Seaside Home for Invalids, Jos. J. Greenberg, Ventnor, N. J. Brick, steel, reinforced concrete, 4 stories, 103x35 feet, slag roof, concrete floors, painting and glazing, plumbing, damp-proofing, architect terra cotta, ornamental iron work, wrought iron pipe, tile, marble and terrazzo work, metal lath, steam heat, electric light. Architects taking bids due Sept. 30th.

Road Work, New Jersey. Owner, State Highway Department, A. Lee Grover, Secretary, Broad Street Bank Building, Trenton, N. J. Bridge Approach Paving—Route 4, Section 13-A, and 20-B, Manasquan River Approach and Manasquan Grade Crossing Elimination, Monmouth and Ocean Counties, Excavation, borrow, double line reinforced concrete pavement.

Middlesex and Monmouth Counties, south Amboy-Cliffwood, Route 4, Section 25, Excavation, soft rock excavation, borrow, double line reinforced concrete pavement. Owners taking bids due October 5th at noon. Deposit of \$10.00 required. Certified check 10% of bid.

You can't expect to do your "bit" of this busy world's business unless you enlist in the advertising ranks.

New Jersey Contracts Awarded

Power Plant, Chalfonte-Haddon Hall, Atlantic City, N. J. Engineers, Stewart A. Jellett Co., 1200 Locust street, Philadelphia. Owners, Chalfonte-Haddon Hall, Leeds & Lippincott, Atlantic City, N. J. Reinforced concrete, brick, steel, 6 stories, 98x74 feet, slag and Barrett Specification roof, composition, cement floors, hollow tile, plumbing, damp-proofing, rolled steel sash, kalamein doors, bond, floor hardener, ornamental iron work, brass pipe, rolled steel doors, membrane waterproofing, electric ducts and manholes. Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Residence and Garage, Dorset and Atlantic avenues, Ventnor, N. J. Architect, A. L. Brooks, Humphrey Building, Atlantic City, N. J. Owner, Charles Abrams, care of architect. Hollow tile and stucco, 2½ stories, 25x68 feet, 20x22 feet, Spanish tile roof, hardwood floors, hot water heat, electric light, tile and marble. Contract awarded to Philip G. Hannum, Georgia avenue and Thorofare, Atlantic City, N. J.

Residence (alts. and add.), Riverton, N. J. Architect, J. Fletcher Street, 1120 Locust street, Philadelphia. Owner, Mrs. T. S. Janney Stoddart, 301 Highway, Riverton, N. J. Stone, 3 stories, 15x20 feet, electric light, tile work, shingle roof, hardwood and composition floors, hardware (vapor heat, plumbing and painting reserved). Contract awarded to John E. McVaugh, Riverton, N. J.

Apartment (alts. and add.), Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owner, J. R. Allen, 12 Chapel avenue, Trenton, N. J. Brick, 3 stories, 40x80 feet, slag roof, pine floors, general alterations, hot water heat, electric light, tile work. Contract awarded to Harrison & Fisher, 242 Cuyler avenue, Trenton, N. J.

Apartment House, Mansion avenue, Atlantic City, N. J. Architect, Frank A. Berry, Real Estate Trust Building, Philadelphia. Owner, Frank Bloom, 22 South Pennsylvania avenue, Atlantic City. Brick, 3 stories, 30x57 feet, vapor heat, electric light, slate roof, pine floors, fire escapes. Contract awarded to Philip G. Hannum, Atlantic City, N. J.

Jumping Pit, Albany Avenue School, Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, Board of Education, Atlantic City, N. J. Contract awarded Lam Building Co., 1001 Wood street, Philadelphia.

Residence, 313 Liberty street, Camden, N. J., \$6,500. Architect, private plans. Owner, R. Cavallo, 314 Kaighn avenue, Camden, N. J. Brick, 2 stories, 16 feet 8 inches x 48 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Frank Valeriani, 259 Spruce street, Camden, N. J.

Miscellaneous Construction News

Road Work, Delaware. Owners, State Highway Department, Dover, Del. Lowest bidders. Removing Old Bridge at Drawyers. Shallcross Bros., Middletown, Del., \$1,750. Rehoboth Connection, 0.87 miles. Smyrna Concrete Products Co., Smyrna, Del. Stone Concrete: Metal Joint, \$27,514.10; Open Joint, \$27,603.50. Slag Concrete: Metal Joint, \$27,145.35; Open Joint, \$27,234.75. Maryland-Line-Hartly, 2,260 miles. Highway Eng. & Const. Co., Selbyville, Del. Stone Concrete: Metal Joint, \$74,520.25; Open Joint, \$73,692.25. Slag Concrete: Metal Joint, \$72,306.50; Open Joint, \$71,478.50.

Dormitory, Newark, Del., \$235,000. Architects, Day & Klauder, Franklin Trust Bank Building, Philadelphia. Owners, Delaware School Auxiliary Committee, Mr. Taylor, Dupont Building, Wilmington, Del. Owners taking bids.

Miscellaneous Contracts Awarded

Bungalow, Roaring Gap, N. C. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, J. Edward Johnston, Roaring Gap, N. C. Stone, chestnut bark shingle and weather board, Sheetrock and Textone interior finish, 1½ stories, 88x38 feet, chestnut shingle roof, red oak floors, electric light. Contract awarded to J. A. Gardner, Charlotte, N. C.

Bungalow, Roaring Gap, N. C. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, R. E. Lasater, Winston-Salem, N. C. Stone, chestnut bark shingle and

ACORN TILE COMPANY

Tile Work

INTERIOR AND EXTERIOR

CLEMENTON, N. J.

Mosaic Ceramic and Quarry
Tile Floors

Bell Phone—Laurel Springs 112 R 2

BUILDERS SUPPLIES

CAMDEN MATERIALS COMPANY

1345-51 PINE STREET

CAMDEN, N. J.

CEMENT

SAND PEBBLES

LIME SLAG

PLASTERING MATERIALS

TERRA COTTA PIPE

MARBLE TILE

MOSAIC and CERAMICS

Camden Tile Co.

1484 Bradley Avenue

CAMDEN, N. J.

BELL PHONE, CAMDEN 3827 W

weather board, Sheetrock and Textone interior finish, 1½ stories, 97x40 feet, chestnut shingle roof, red oak floors, electric light. Contract awarded to J. A. Gardner, Charlotte, N. C.

Proposal

Sealed and separate bids or proposals will be received by the Board of School Directors of the School District of the City of York, Pennsylvania, for the erection and completion of a Senior High School Building to be erected on the plot of ground lying at the northwest corner of West College Avenue and South Beaver Street, York, Pa. The proposals must be submitted separately for the—General construction of the building, Plumbing and Drainage, Electrical Work, and Heating and Ventilating—all in accordance with plans, drawings and specifications prepared by John B. Hamme, Registered Architect, York, Pa. A certified check equal to 5% or an acceptable Surety Company bond equal to 10% of the aggregate amount of the bid must accompany each proposal to guarantee acceptance of contract if awarded.

An acceptable Surety Company bond equal to the full amount of the contract will be required of the successful bidders.

Plans and specifications may be secured from David N. Crider, Secretary of the Board of Directors, in the Central School Building, corner of West King Street and Cherry alley, York, Pa., upon application accompanied by a deposit of cash or certified check of \$100 for each set of the General plans and specifications, \$85 of which will be returned for each set when plans and specifications are returned to said office accompanied with bid. A deposit or certified check for \$50 must accompany applications for each set of the Plumbing and Drainage, Electrical Work, or Heating and Ventilating plans and specifications, \$35 of which will be returned for each set when plans and specifications are returned accompanied with a bid.

In case no bid is received the entire amount of the deposit or check will be forfeited.

On or about September 21, 1925, plans and specifications will be delivered to persons making application in accordance with the above requirements. Plans and specifications will be on view in the office of John B. Hamme, Registered Architect, Citizens' Savings and Trust Building; in the office of M. O. Lewis, Superintendent of Buildings and Grounds, in the Central School Building, York, Pa., and at the Builders' Exchanges in Philadelphia, Pa., and Baltimore, Md.

All bids must be signed, sealed, properly marked with name of contract bid upon and delivered to David N. Crider, Secretary, Central School Building, York, Pa., not later than one o'clock P. M. of Thursday, October 15, 1925.

The right is reserved to reject any and all bids.

EDWARD W. NEUMANN,

Chairman of the Committee on Buildings, Grounds and Fuel, of the Board of School Directors of the School District of the City of York, Pa.

Fire Prevention Week this year will begin on Sunday, October 4th, and continue through Saturday, October 10th.

Last year America burned up \$548,-

800,000 in improved property of all kinds. Thus, for the fourth consecutive year the fire losses of the nation have exceeded the half-billion mark, each year rising above the preceding twelve-month by several millions of dollars. Here, surely, is warrant enough for returning anew to the great American peace-time battle—the endless conflict with the flames.

Realization of how monstrous, both in size and in effect, is this rapidly leaping loss, coupled with the knowledge that the annual sacrifice of life, through fire, hovers still around 15,000, seems to be more than ever general and to be spurring to early action the various organizations which habitually take part in furthering the aims of the Week. Judging by the reports reaching the office of The National Board of Fire Underwriters it is probable that no previous observance has been signalized by such timely planning in so many important quarters. It appears that no channel leading to the public ear and eye, and through them to the public consciousness, is being overlooked this year in the endeavor to make one hundred and ten million people think and talk of fire, its prevention and extinguishment, and not only for seven days but for fifty-two times seven days.

President Coolidge, it is expected, will officially nationalize the Week, following his action of the past two years and that of Presidents Wilson and Harding, by issuing a proclamation; and it is next to certain that supplementary messages to the public again will be forthcoming from the governors of a majority of the States. Mayors of many important cities last year responded with local manifestoes, which further tended to impress people with the importance of the occasion.

It is understood that the Chamber of Commerce of the United States is already well advanced in preparations for the fullest possible co-operation next October. Too much importance cannot be attached to the support of the National Chamber. Backed by its 1,400 local units, it constitutes an invaluable ally in the gigantic labor of changing a nation's habits in dealing with fire. The Inter-Chamber Fire Waste Contest, inaugurated by the parent body, and now in its third year, has been of incalculable benefit in the work of arousing and maintaining the interest of thousands of American business men in year-round fire prevention endeavor of a most practical nature.

The United States Department of Agriculture, the United States Bureau of Education and the American Red Cross always have aided materially in their special fields, as have also the National Association of Insurance Agents, the National Association of Credit Men, the Fire Marshals' Association of North

America, the International Association of Fire Engineers and the national organizations of the Boy and Girl Scouts. Rotary, Kiwanis and Lions Clubs everywhere habitually give liberally of time and money towards municipal observances. Indications point to similar promotion during the Week that lies ahead.

The Motion Picture Producers and Distributors of America, Incorporated, through its president, Will H. Hays and his assistant, Hickman Price, for the past two years has lent hearty assistance in "putting over" the Week via the "silver sheet," and the Radio Corporation of America, as well as other factors in this "Fifth Estate," did its part to make the airways available for the driving home of vitally needed lessons in conservation of American life and property. These organizations probably will enlist again this year. The Nat'l Fire Protection Assoc. stands, of course, squarely with the National Board in bending every effort towards giving permanence to the work.

With these representative and widely diversified interests severally pledged to the cause, fire chiefs, local agents, and other individual fire preventionists will find the way smoothed as never before for their own "missionary" work. Upon them, of course, falls the brunt of the campaign, which, as a group, they have shown themselves eager and competent to bear.

MAKING STRONGER CONCRETE

Water is an important ingredient in concrete. Experiments just completed at the Bureau of Standards, Department of Commerce, show that this is just as true with the new quick-hardening high-alumina cements as with Portland cement.

The bureau finds it important to select sand and gravel in proper size gradation since less water is required to make the concrete workable and a greater strength results. The old rule, to use the least amount of water which will make the concrete workable, is found to hold with the new high alumina cement. In one experiment a decrease of 1 per cent of water was found to increase the strength as much as 26 per cent.

The research is part of the program of the materials laboratories of the bureau upon the useful properties of materials and how they may be enhanced.

A gravel concrete made with the new quick-hardening high-alumina cement generally develops as high a strength in 24 hours as a similarly proportioned Portland cement concrete would develop in 28 days. This quick-hardening feature is notably valuable where ground rentals are high, equipment elaborate, or construction difficult, or wherever delays in waiting for the concrete to attain its strength would be costly.

Reference Directory for Architects, Builders and Owners

ARTESIAN WELLS.

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES.

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINTS.

Blue Print Shop.....1520 Sansom St., Phila.
Robbins, Chas. H., Co.....1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINT PAPER.

Blue Print Shop.....1520 Sansom St., Phila.
Robbins, Chas. H., Co.....1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS.

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

BRICK.

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.
BRICK (Face, Common, Paving).
Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS.

Mitchell Bros.2125 Race St., Phila.

BUILDING BLOCKS.

Schnitzler & Wilt.....Morton, Pa.

BUILDING NEWS.

Daily Building News.....Perry Bldg., Phila.

BUILDERS' SUPPLIES.

Camden Materials Co....1345 Pine St., Camden, N. J.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CAST STONE

Vineland Architectural Cast Stone Works,
Vineland, N. J.

CEMENT.

Camden Materials Co....1345 Pine St., Camden, N. J.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK.

D'Lauro, John55 E. Mermaid Lane, Phila.
Harsch, Wm. F.Narberth, Pa.
Massiah, Frederick. Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

COLUMNS (Metal).

Pearce Fireproof Co.1911 N. 2nd St., Phila.

COMPOSITION FLOORING.

Penna. Flooring & Woodoleum Mfg. Co.,
34 S. 17th St., Phila.

CONCRETE SEWER PIPE.

Stroudsburg Septic Tank Co. 328 Chestnut St., Phila.

CONCRETE WORK.

Harsch, Wm. F.Narberth, Pa.
Massiah, Frederick. Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Lee T. Ward Co.617 Filbert St., Phila.

CORK FLOORING

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

CURTIS WOODWORK.

Gillingham Co. ...Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS.

Building News Pub. Co.Perry Bldg., Phila.

DAMP-PROOFING.

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger.....829 N. 3rd St., Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Master Builders' Co.,
Room 601, 1524 Chestnut St., Phila.

DOOR BEDS

Murphy Door Bed Co....512 Bulletin Bldg., Phila.

DRAWING MATERIALS.

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
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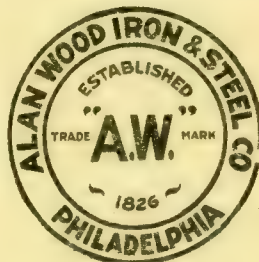
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September 30, 1925

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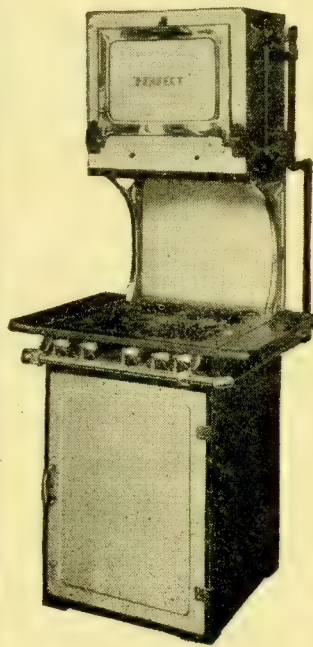
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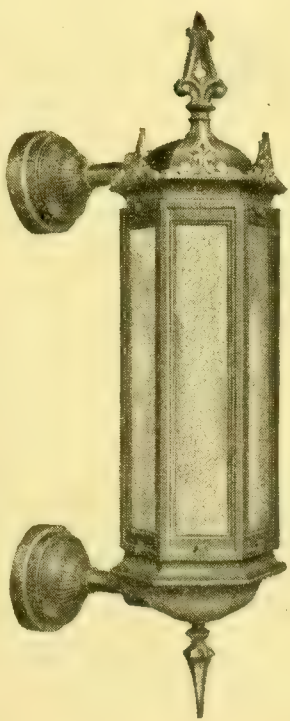
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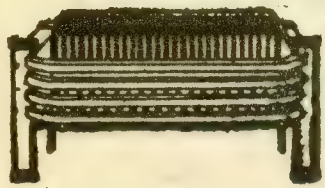
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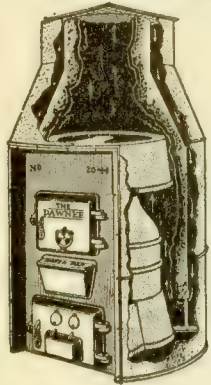
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XL
Number 39

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September 30, 1925

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As The Editor Sees It



WOODS THAT GO INTO THE HOME

Only thirty years ago few people knew what went into their houses. All materials were alike to them and the measure of their confidence in the outcome of their building was the measure of their confidence in the architect or the builder who served them.

Within recent years this blind confidence has given place to a general familiarity with a great many building materials so that the prospective builder is enabled to weigh the merits and advantages of the different woods and other materials.

Building for permanency means a wise selection of building materials and using high grade, standard construction. This is the big lesson that the Santa Barbara quake taught. The buildings that suffered the most were of the character where cheapness had been put above permanency by their builders.

"The materials that enter into the construction of a house determine whether that house will be a good house or a poor house; conversely, it follows that a house is no better than the poorest material which enters into its construction—it is always wiser to retain the best of materials in a smaller or a more modest house. Only too often a misguided builder will figure on an ambitious plan and then, to make the building costs come within the scope of his pocketbook, will

employ poor workmanship and use poor materials.

"Lumber is the most widely used building material. There is a mistaken idea abroad that lumber figures mainly in a frame house, not in a brick, hollow tile, stone or cement-block house. Nothing could be more erroneous, for it is a fact that lumber is the main material entering into the construction of any type of house short of a fire-proof office building, garage or theater where steel framework and concrete floors replace the usual wooden construction. Even in the brick, stone or hollow tile house lumber is commonly used for the inside framing and the millwork."

The reason that wood is so largely used is because of its qualities of strength and hardness, lightness in weight and workability.

Woods are divided into two great classes—the hardwoods and the softwoods. "The hardwoods start with the oaks, which are commonly divided into two groups in the lumber trade—the white oak group and the red oak group. Where resistance to decay without preservative treatment is essential, the white oaks are more desirable, because they have greater durability than the red oaks; but where strength and beauty of figure only are concerned, the red oaks are equally serviceable.

"The red oaks usually have a slight reddish hue, and the large pores in the springwood are more open, making the

wood appear more porous, but exceptions occur in which this does not hold true."

Ash is another ring-porous wood. The color of the heartwood is grayish brown, the black ash being darker than the white ash.

Chestnut resembles ash superficially. It has a similar color, is decidedly ring-porous, and has inconspicuous rays.

Elm is used comparatively little in the building trades, for it is liable to become rough from wear in the course of time. The wood is light reddish brown in color.

Black walnut can usually be recognized by its chocolate-brown color. Butternut, like black walnut, is diffuse-porous with plainly visible pores. It is lighter colored than the walnut and softer and weaker.

Mahogany has a reddish-brown color, varying greatly in the unstained wood from light to dark shades. The color gradually becomes darker by exposure to the air and light. The pores are visible without magnification which distinguishes it from cherry, which is of approximately the same color, and from red gum stained to imitate it. Birch is sometimes so effectively stained that it is difficult to distinguish it from real mahogany, but if a small cut is made, the wood will show a white interior, while mahogany is dark throughout.

Birch lumber is derived mostly from two botanical species—the yellow birch and the sweet or cherry birch, which are

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very much alike. It is sold as "red" birch and "white or yellow" birch, the heartwood of both species being the "red" birch and the sapwood the "white or yellow" birch. The heartwood is light to moderately dark reddish brown in color, and the sapwood is almost white. Birch wood has a uniform texture, the pores are barely visible with the unaided eye in good light, thus distinguishing birch from maple, in which the pores are much smaller.

Maple is classed as "hard" and "soft." Hard maple is obtained from sugar maple and the latter from silver maple and red maple. A test for distinguishing the two groups is cutting the wood across the grain. The hard maple offers considerable resistance, while the soft maple cuts rather easily.

Beech is occasionally used as flooring but more often in furniture. It resembles maple somewhat, but a portion of the rays are considerably broader and more conspicuous.

Cherry can usually be identified by its lustrous reddish brown color.

The white pines have a soft, slightly resinous wood of uniform texture. This group includes the white pine of the northeastern and Lake States, the western or Idaho white pine and the sugar pine of California.

The yellow or hard pines as a class are harder and more resinous than the white pines, but show great variation in these properties.

Red spruce, Oregon fir, and Oregon pine, can usually be distinguished by its distinct reddish hue, although the outer parts of old trees are often yellowish. It is resinous, but not so much so as the hard pines.

The spruces are important lumber trees, producing light-colored wood of soft, uniform texture.

Cypress varies greatly in color and weight. It is without characteristic taste, but has a peculiar odor which is easy to

remember if a person becomes familiar with it.

White cedar is pale brown in color, very soft and light. It has a characteristic cedar odor that is very noticeable.

The true firs, of which there are several species commonly known as balsam fir, white fir, noble fir and red fir, rather light, non-resinous woods. Douglas fir, white not a true fir, has a similar character.

The following list indicates the relative durability of the common woods and should be an aid to the builder in selecting the more durable species for posts, sills and other structures subject to decay.

Relative durability of common woods

Cedar, northern white	Chestnut
Cedar, western red	Walnut, black
Cypress	Locust, black
Redwood	Cherry, black
Fir, Douglas	Oaks, white
Tamarack	Ash, white
Larch, western	Butternut
Pine, longleaf	Gum, red
Pine, eastern white	Poplar, yellow
Pine, sugar	Oaks, red
Pine, western white	Basswood
Pine, western yellow	Beech
Hemlock, eastern	Birch
Hemlock, western	Buckeye
Pine, loblolly	Cottonwood
Pine, Norway	Elm, white
Pine, shortleaf	Maple, hard
Firs, true	Maple, soft
Spruces	Sycamore
	Cotton gum

The woods used for framework in building are those kinds which are fairly abundant and reasonably strong. The softwoods usually fulfill these requirements, the stronger and more durable kinds being most desirable. In the Central States hardwoods are often used for the framework of buildings.

(Continued on Page 623)

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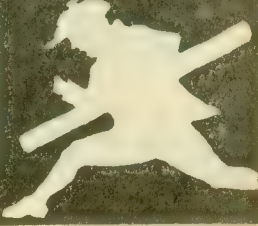


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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Sexton's Residence (Alts. and add.) Synagogue, 23rd and Wharton streets. Architect, William L. Charr, Victory Bldg., Phila. Owner, Congregation Shari Shamayin, on premises. Stone, stucco, steel, 2 stories, 18 ft. by 105 ft. by 40 feet, slag roof, maple floors, hollow tile, steam heat, electric light, metal lath, tile and marble work, hollow metal sash and skylights, bond, ornamental iron work. Plans in progress.

Parochial School Building, Seventy-second and Woodland avenue, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Clement's Roman Catholic Church, care of Rev. F. P. Dougherty, 7104 Woodland avenue, Philadelphia. Plans in progress.

Office Building, 1508 Walnut street, Philadelphia. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, Stroud & Co., care of Edward B. Robinette, 1429 Walnut street, Philadelphia. Stone, brick, reinforced concrete, steel, 8 stories, 25x170 feet. Architects selected.

Filling Station, 3017 Germantown avenue, Philadelphia. Architect, private plans. Owner, Charles Kahn, Morris Building, Philadelphia (Gulf Refining Co.). Brick, 1 story, slag roof, cement floors. Plans in progress.

Synagogue, Manayunk, Philadelphia. Owners, Congregation, care of A. I. Poland, 4347 Main street, Manayunk, Philadelphia. Work contemplated.

Residence and Garage, 830 East Haines street, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Louis Folscheid, on premises. Stone, brick, stucco, 3 stories, 30x91 feet, slate roof, hardwood floors, cement work, hot water heat, electric light, tile and marble work. Plans about completed. Owner will be ready for sub-bids in one week.

Lodge Building, 1317-19 North Broad street, Philadelphia. Architect, Herman Miller, Crozer Building, Philadelphia. Owners, P. O. S. A., care of H. V. McFayden, on premises. Brick, granite, steel, 4 stories, 40x160 feet, slag roof, hardwood and cement floors, electric elevator, steam heat, electric light, tile and marble work, mosaic and bronze work. Plans about completed. Architect will be ready for bids October 7th.

Room House, Northeast Corner Tenth and Pine streets, Philadelphia. Architect, Edwin

L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, Harry J. Bogash, Bankers' Trust Building, Philadelphia. Brick, limestone, 4 stories, 35x180 feet (60 rooms), slag roof, pine floors, electric light, steam heat, electric elevators, tile and marble work. Architect ready for general bids.

Stores (6) and Garage, Seventeenth and Vine streets, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, name withheld. Brick, steel, 1 story, 117x125 feet, slag roof, cement and composition floors, steam heat, electric light, flush bulks (100-car capacity garage). Plans in progress.

Store Building (alts.), 222 North Thirteenth street, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, name withheld. Brick, 2 stories, 17x112 feet, general alterations. Plans in progress.

Factory (add.), Frankford avenue and Wilkey street, Philadelphia. Architect, William Lowenthal, 1208 Chestnut street, Philadelphia. Owners, Jacob Bloom Co., 1049 Frankford avenue, Philadelphia. Brick, slow burning, 4 stories, 30x100 feet, wing 20x50 feet, asphalt roof, reinforced concrete and maple floors (heating, lighting and sprinkler system reserved), freight elevators, plumbing. Architect taking bids due October 2nd at noon.

Office Building, 1606 Walnut street, Philadelphia. Architect, Arthur H. Broekie, 254 South Fifteenth street, Philadelphia. Owners, Townsend Whelan Co., on premises. Brick, granite, marble and steel, 5 stories and basement, 24x146 feet, slag roof, cement floors, hollow tile, elevators, safety treads, roof ventilators, metal weather strips, shoring, ornamental iron work, iron stairs, bond, fire, kalamine and hollow metal doors, rolled steel sash and skylights, tile and marble work, steam heat, electric light, oil burner, bronze work, limestone. Architect taking bids due October 9th.

Store, 2330-34 North Front street, Philadelphia. Architect, Harold Holmes, Architectural and Engineering Department, Detroit, Mich. Owners, S. S. Kresge Co., Detroit, Mich. Brick, cut stone, steel, granite, 2 stories and basement, 105x48 feet, built-up roof, maple and oak floors, hollow tile, roof ventilators, shoring, steam heat, electric light,

metal lath, tile, marble and terrazzo work, hinnear doors, bond, copper bulks, iron stairs, ornamental iron work, painting and glazing, dumb waiter, integral waterproofing, limestone, bronze tablets, tin-clad doors, plate glass, plumbing, sprinkler systems, wrought iron pipe, cast iron pipe, steel and brass pipe. Architect taking bids due October 3rd.

Dormitories (2), Thirty-fourth and Spruce streets, Philadelphia. Architects, Stewardson & Page, 315 South Fifteenth street, Philadelphia. Owners, University of Pennsylvania, Thirty-fourth and Spruce streets, Philadelphia. Brick, stone, cut stone, 4 stories and basement, 129x45 feet, Vermont green slate roof, linoleum and cement floors, plumbing, roof ventilators, waterproofing, metal lath, marble and terrazzo work, hollow metal doors, ornamental iron work, metal casements, limestone and bluestone. Architects taking bids due October 6th before 2 P. M.

Building (alts. and add to Apartment), 5209 Wayne avenue, Philadelphia. Architect, private plans. Owner, George W. Raynor, on premises. Brick, hot water heat, electric light, tile work, cement and oak floors, carpentry and mill work, stair work, painting and glazing, plastering, hardware, plumbing, tile work. Owner taking bids due October 1st.

Public School, Twenty-third and Jefferson streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, reinforced concrete, cut stone, granite, 4 stories and basement, 189x73 feet (plumbing, heating, electric and ventilating separate), composition roof, composition, cement and maple floors, hollow tile, safety treads, painting and glazing, metal weather strip, ornamental iron work, iron stairs, floor hardener, bond, rolled steel door and sash, tile, marble work, metal lath, mastic asphalt floors, membrane waterproofing, ornamental plaster. Owners taking bids due October 6th.

Cresson Building (alts. and add.), Thirty-eighth and Powelton avenue, Philadelphia. Architect, Arthur H. Broekie, 254 South Fifteenth street, Philadelphia. Owners, Old Men's Home, on premises. Architectural terra cotta, wire screens, structural steel, steel doors, iron stairs, plumbing, plastering, painting and glazing, carpentry, mill work, brick

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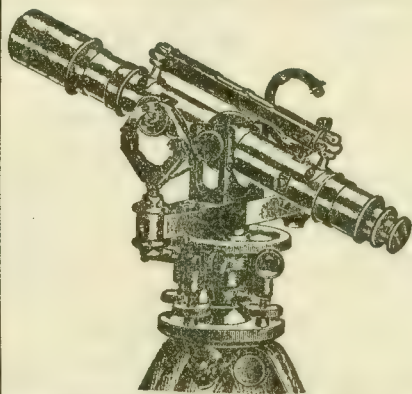
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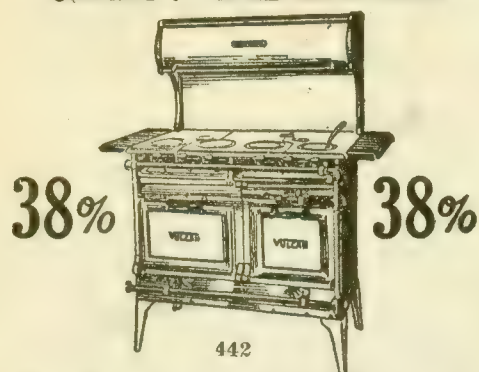
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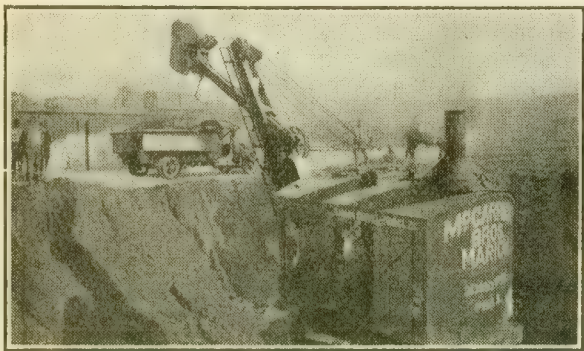
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Apartment Building, Roosevelt and Somerdale avenue, Philadelphia. Architect, Louis J. Tunis, 1423 Locust street, Philadelphia. Owner, Charles Gross, Land Title Building, Philadelphia. Brick, limestone, steel, 3 stories and basement, 42x100 feet, slag roof, hardwood and linoleum floors, hot water heat, oil burning, electric light, metal lath, tile and marble work, fire tower, incinerator, gas range, miscellaneous iron work. Owner taking bids due October 1st.

Schools, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Steel flag poles, sheet metal garage, cement pavement. Residential School, Byberry, repairs, etc., various schools. Owners taking bids due October 6th, 12 M. (Standard Time).

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Owners taking bids due September 30th noon. Branch sewers, bridge on line of Sixty-fifth over Cobb's Creek Parkway. Grading and improvement of city property, Fortieth Ward. Grading of city-owned property east of Broad, South of Pattison, East League Island Park. (Proposals and bidding data at Simon & Simon, 249 South Juniper street, Philadelphia.) (Playing field construction.) Certified check 5 per cent. of amount of bid. Inquire Room 416.

Residences, 7200-34 North Twenty-first street, Philadelphia, \$92,000. Architect, private plans. Owner, Walter S. Bauer, 4308 North Broad street, Philadelphia. Brick, 2 stories, 15x26 feet 6 inches, 10 feet 8 inches x 10 feet 6 inches, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Grandstand (alts.), Northeast Corner Twenty-first and Lehigh avenue, \$19,000. Architect, private plans. Owners, American Baseball Club of Philadelphia, on premises. General alterations. Permit granted.

Garage (alts.), East side Ninth street, North of Dauphin street, \$10,000. Architect, private plans. Owners, P. R. T. Co., Eighth and Dauphin streets, Philadelphia. General alterations. Permit granted.

Store and Residence (1) and Residences (11), 1601-23 Nedro avenue, \$63,000. Architect, private plans. Owner, Max Chipin, 6741 Gratz street, Philadelphia. Brick, 3 stories, 16x59 feet, (11) 2 stories, 16x34 feet, 12x24 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residence, Southeast Corner Eighty-sixth and Lyons avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Peter Laskeis,

8029 Harley street, Philadelphia. Brick, 2 stories, 16x58 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Residences (4), West side Keystone street, North of Magee street, \$4,000 each. Architect, private plans. Owner, Daniel Gercke, 3114 Disston street, Philadelphia. Brick, 2 stories, 15x26 feet, 12x12 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Shop (add.), 6512 State road, Philadelphia, \$3,000. Architect, private plans. Owner, A. W. France, 1233 Allengrove avenue, Philadelphia. Brick, steel, 1 story, 42x10 feet 6 inches x 80 feet x 12 feet 6 inches, slag roof, electric work. Permit granted.

Bungalow, West side Kelvin road, South of Southampton street, \$7,500. Architect, private plans. Owner, W. E. Tyson, 1419 South Vodge street, Philadelphia. Frame, 2 stories, 46 feet 5 inches x 28 feet, shingle roof, hardwood and pine floors, electric light. Permit granted.

Residences (12), Store and Residence (1), South side Grange street, West of Fifteenth street, Philadelphia, \$69,000. Owners, John Loughran Sons, Inc., 1421 Chew street, Philadelphia. Brick, (12) 2 stories, 16x32 feet, 12x16 feet, (1) 3 stories, 16x49 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Storage Shed, River road, South of Levering street, Philadelphia, \$3,000. Architect, private plans. Owners, McDowell Paper Mills, Manayunk, Philadelphia. Iron, 1 story, 56x50 feet. Permit granted.

Residence (add.), 164 Fountain street, Philadelphia, \$2,900. Architect, private plans. Owner, Guiseppi Del Fort, on premises. Brick, 1 story add., 14x10 feet, slag roof, electric light. Permit granted.

Residences (6), East side Salmon street, South of Orthodox street, Philadelphia, \$3,500 each. Architect, private plans. Owner, Stanley Bialas, 4353 Belgrave street, Philadelphia. Brick, 2 stories, 16x52 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Bakery (alts.), 845 South Fifty-fifth street, Philadelphia, \$2,000. Architect, private plans. Owners, General Baking Co., on premises. General alterations. Permit granted.

Residences (8), Hermitage street, Northeast side, West of Henry avenue, Philadelphia, \$6,000. Architect, private plans. Owner, Max Meitner, 351 Green Lane, Philadelphia. Brick, 2 stories, 16x38 feet, hot water heat, electric light, slag roof, oak and yellow pine floors. Permit issued.

Residences (3), North side Bleigh street, East of Whittaker street, Philadelphia, \$4,000

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each. Architect, private plans. Owner, M. Glaser, 1200 Cottman street, Philadelphia. Frame, 2 stories, 24x36 feet 6 inches, hot water heat, shingle roof, yellow pine floors, electric light. Permit granted.

Residences, 1309-11-13-15 Shelmire street, Philadelphia, \$4,000 each. Architect, private plans. Owners, Betzel Brothers, 7312 Bingham street, Philadelphia. Brick, 2 stories, 16x44 feet, hot water heat, electric light, slag roof, tile work, oak and yellow pine. Permit granted.

Residences (10), Stores (2), Loretta avenue and Bridge; Frontenac and Bridge; North side Bridge street; East of Loretta avenue. Architect, private plans. Owner, Karl F. Otis, 1828 Arch street, Philadelphia. Brick, various sizes, hot water heat, electric work, slag roof, oak and yellow pine floors, tile work. Permit granted.

Residences (38), Stores (2), Foulkrod, Langden, Summerdale streets, \$5,000 each. Architect, private plans. Owners, Charles Finkelstein, Whittaker and Wyoming avenue, Philadelphia. Brick, various sizes, electric work, oak and yellow pine, tile work, slag roof. Permit granted.

Residences (20), Stores and Residences (6), 5501-59 Torresdale avenue, Philada. \$107,000. Owner, Burton C. Simon, 20th and Passyunk avenue, Phila. Brick, 2 story, (20), 15 ft. by 2 ft., 10 ft. by 10 ft., (6) 18 ft. by 42 ft., slag roof, pine floors, hot water heat, electric light. Permit granted.

Residences (54), Carver, Sanger, Summerdale, Frontenac streets, Philadelphia. Architect, private plans. Owner, Harry R. Moyer, 2035 East Allegheny avenue, Philadelphia. Brick, various sizes, hot water heat, electric work, oak and yellow pine floors, slag roof. Permit granted.

Residences (6), Lawndale, Shelmire and Faunce streets, \$25,200. Architect, private plans. Owners, Louis Leitenberger Sons, 7345 Oxford street, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Garage, 1028 Kimball street, Philadelphia, \$7,000. Architect, private plans. Owners, C. C. A. Baldi & Brothers, Eighth and Montrose streets, Philadelphia. Brick, 1 story, 38 feet 8 inches x 50 feet, slag roof, cement floors, steam heat, electric light. Permit granted.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Roberts Avenue Add. to Manufg. Bldg., Roberts Ave. & King St., Phila. Architect, The Ballinger Co., 12th and Chestnut street, Phila. Owner, Atwater Kent Co., on premises. Brick, steel, terra cotta trim, first story and basement, 225 ft. by 119 ft., steam heat, electric light, metal lath, fire and kalamein doors, slag roof, cement, wood block floors, hollow tile, elevators; safety treads, archt. terra cotta, sprinkler system, plumbing equipment included. Contract awarded Irwin & Leighton, 126 N. 12th street, Phila.

Office Building, Sydenham and Walnut Sts., Phila. Assoc. Architect and Engr. Heacock & Hokanson, 1211 Chestnut street, and The Ballinger Co., 12th and Chestnut sts., Phila. Owners, Sydenham Realty Co., Mutual Trust Co., 4th and Market streets. Brick, reinforced concrete, cut stone, granite, 18 stories and basement, 133 ft. by 40 ft., promenade tile roof, composition and cement floors, hollow tile, metal weather strip, ornamental iron, iron stairs, bond, hollow metal and fire doors, copper skylights, rolled steel skylights, tile marble and terrazzo work, metal lath, (heating, plumbing and electric reserved) cast concrete stone, bronze work, metal partitions,

mail chute elevator doors, caulking, toilet compartments, doors, integral waterproofing. Contract awarded Roydhouse Arey Co., 112 N. Broad street, Phila.

Store and Apartment, 1222 N. 5th street, Phila. Architect, William L. Charr, Victory Bldg., Phila. Owner, R. J. Nolan, Care architect. Brick, stucco, steel, 3 stories, 20 by 100 feet, slag roof, pine and hardwood floors, hot water heat, electric light, tile and marble work, hollow metal skylights, store fixtures, bond, flush bulks, ornamental iron work. Contract awarded Miland & Brown, 3913 Baring street, Phila.

Residence, N. Side Springer street, East of Wayne avenue, \$8,000. Architect, Ralph E. Goldberg, 1626 Chestnut street, Phila. Owner, Glyndon Priestman, 5450 Germantown avenue, Phila. Cinder block, 2 story, 16 feet by 38 feet, hot water heat, electric light, hardwood and pine floors. Contract awarded to Samuel Harting & Son, 20 E. Johnson street. Note Architect.

Residence, 1422 Bainbridge street, Phila. \$7,000. Architect, private plans. Owner, Cyril Claren, 1724 Christia nstreet, Phila. Brick, 2 story, 20 ft. by 74 ft., slag roof, hardwood

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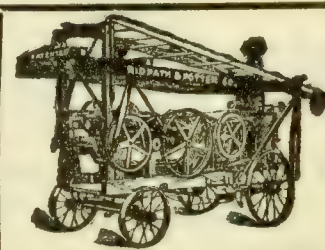
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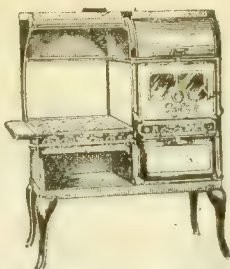
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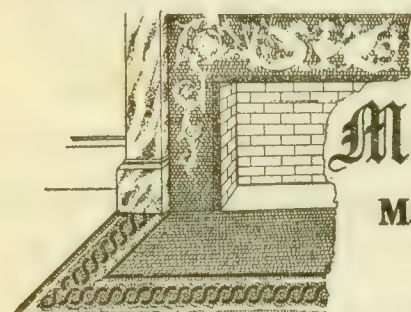


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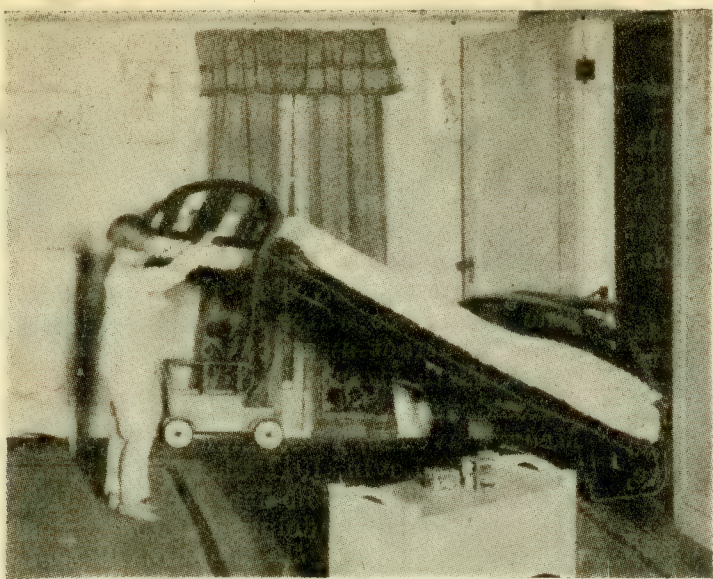
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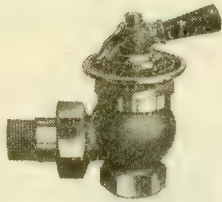
and pine floors, hot water heat, electric light. Contract awarded to L. B. Thompson, 618 N. 57th street, Phila.

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Storage (add.) 2500 S. 68th street, Phila. \$2,000. Architect, private plans. Owner, Frank Dougherty, 3500 S. 68th street, Phila. Brick, 1 story add., 16 ft. by 32 ft. Contract awarded to Charles V. Whalen, 6040 Cedar avenue, Phila.

Residence, N. Side Fuller street, W. of Castor Road, \$4,500. Architect, private plans. Owner, C. J. Krebels, 5803 Torresdale avenue, Phila. Frame, 2 story, 26 ft. by 28 ft, hot water heat, electric light. Contract awarded to E. C. Krebels, 5803 Torresdale avenue, Phila.

Building, Northwest Corner Sixteenth and Chestnut streets, Philadelphia, \$1,000,000. Architect, Ralph C. Bencker, Bellevue Court Building, Philadelphia. Owners, Horn & Hardart, 240 South Tenth street, Philadelphia. Brick, reinforced concrete, steel, limestone, granite, 8 stories and 2 basements, 152x42 feet, slag roof, cement floors, elevators, roof ventilators, metal ceilings, shoring, damp-proofing, elevators, architectural terra cotta, ornamental iron, iron stairs, metal lath, bond, tin clad and hollow metal doors, copper skylights, rolled steel sash, tile, marble and terrazzo work, metal lath, caulking, metal toilet partitions, membrane waterproofing, ornamental plaster, bronze work (decorative painting, leaded glass, mosaic work, carved stone figures, mural painting, electric sign reserved). Contract awarded Roberts & Roller, 1904 Sansom street, Philadelphia.

Substructure, 1409-15 Arch street, Philadelphia. Architect, William G. Perry, 177 State street, Boston, Mass. Owners, United Gas Improvement Co., care of P. Thompson, Broad and Arch streets, Philadelphia. Reinforced concrete foundations and excavation, 70x70 feet. Contract awarded Murphy-Quigley Co., 1524 Sansom street, Philadelphia (without competition).

Office Building, Ninth and Columbia avenue, Philadelphia. Architect, Alfred Freeman, 29 West Thirty-fourth street, New York City. Owners, Bayuk Brothers, Third and Spruce streets, Philadelphia. Reinforced concrete, brick, steel, 10 stories and basement, 104x316 feet, slag roof, cement floors, elevators, ornamental iron work, rolled steel sash, steam heat, electric light, galvanized iron sash, granite, limestone, waterproofing. Contract awarded Wark Co., 1600 Walnut street, Philadelphia.

Apartment House, Northeast Corner Front, Spring Garden and New Market streets, \$55,000. Architects, Silverman & Levy, Elrae Building, Philadelphia. Owner, S. K. Allman, Finance Building, Philadelphia. Brick, 2 stories, 149 feet 5 inches x irregular, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to S. H. Levin, 1631 South Fifth street, Philadelphia.

Apartment House, Southeast Corner York avenue and Lawrence street, \$45,000. Architects, Silverman & Levy, Elrae Building, Philadelphia. Owner, S. K. Allman, Finance Building, Philadelphia. Brick, 2 stories, 130 feet 9 inches x irregular, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to S. H. Levin, 1631 South Fifth street, Philadelphia.

Residence, Northeast Corner Twelfth and Medary avenue, Philadelphia, \$20,000. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Owner, Solomon Meisach, 1224 Snyder avenue, Philadelphia. Stone, 2 stories, 44 feet 6 inches x 35 feet, 13x10 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Lewis Swerdloff, 228 South Fifty-ninth street, Philadelphia.

Bridge over Luzerne street, at Second street, Philadelphia. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Contract awarded Brown-King Const. Co., Commercial Trust Building, Philadelphia.

Store and Office Building, Northeast Corner Thirteenth and Chestnut streets, Philadelphia. Architect, Ralph Bencker, Bellevue Court Building, Philadelphia. Owner, name withheld. Brick, cut stone, concrete, steel, 9 stories and basement, 77x24 feet (heating and plumbing reserved), electric light, metal lath, tile and marble and terrazzo work, rolled steel sash, copper skylights, hollow metal doors, bond, iron stairs, ornamental iron work, vault door, iron ladder, caulking, limestone, shoring, waterproofing, painting and glazing, roof ventilators, hollow tile, elevators, cement and pine floors, slag roof. Contract awarded Roberts & Roller, 1904 Sansom street, Philadelphia.

Residences, 145-47 Nectarine street, Philadelphia, \$20,000 total. Architects, Silverman & Levy, Elrae Building, Philadelphia. Owner, S. K. Allman, Finance Building, Philadelphia. Brick, 3 stories, 18x28 feet, 14x40 feet, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to S. H. Levin, 1631 South Fifth street, Philadelphia.

Church, Southeast Corner Eighty-sixth and Erwig avenue, Philadelphia, \$29,500. Architect, Robert G. West, 8228 Buist avenue, Philadelphia. Owners, Calvary Baptist Church, 8236 Holstein avenue, Philadelphia. Brick and stone, 1 story, 50x82 feet, steam heat, electric light. Contract awarded to Henry N. Williams, care of architect.

Residence, West side Wissahickon avenue, North of Ebbetts lane, \$26,000. Architect, private plans. Owner, G. R. Nichols, Wissahickon avenue and Carpenter street. Stone, 2 stories, 26 feet 4 inches x 30 feet, 38x47 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to M. S. Oberholtzer, 5524 Pulaski avenue, Philadelphia.

Residences and Stores (3), 630-32 and 634 and 636 North Fifty-second street, \$8,500. Architect, private plans. Owner, Samuel Radbill, 630 North Fifty-second street, Philadelphia. Brick, 1 story, 17x15 feet 6 inches each, slag roof, pine floors, electric light, general alterations. Contract awarded to Charles H. Booker, 2257 North Uber street, Philadelphia.

Stores and Residences (add.), 2947-49 Kensington avenue, \$6,000. Architect, private plans. Owner, John Yelson, 2949 Kensington

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avenue, Philadelphia. Brick, 2 stories, 13x38 feet, slag roof, pine floors, electric work. Contract awarded to Schechtman Brothers, 1924 North Marshall street.

Store and Residence (add. and alts.), 4050 Walnut street, \$3,860. Architect, private plans. Owner, Anna S. Ayers, 5909 Pine street, Philadelphia. Brick, 1 story add., 15x10 feet 6 inches, general alterations. Contract awarded to J. Frank Barber, Otis Building, Philadelphia.

Residence (alts.), Northeast Corner Fifty-third and Woodbine avenue, \$3,500. Architect, private plans. Owner, Michael G. Price, on premises. General alterations. Contract awarded to William J. Ryder, 1725 Sansom street, Philadelphia.

Shop (add.), 207 North Fifty-sixth street, Philadelphia, \$3,000. Owner, George W. Fossett, 207 North Fifty-sixth street, Philadelphia. Brick, second story add., 20x40 feet, slag roof, pine floors. Contract awarded to J. D. Fischer, 5424 Thompson street, Philadelphia.

Church (alts.), Southwest Corner Sixty-first and Hazel avenue, Philadelphia, \$6,000. Architect, private plans. Owners, St. George's Church, on premises. Carpentry and mill work, plastering, painting and glazing, general interior alterations. Contract awarded Thompson Lockhart Co., 6 South Fortieth street, Philadelphia.

Storage, 5424 Germantown avenue, Philadelphia, \$5,500. Architect, private plans. Owners, Jacob Brothers, on premises. Brick, 1 story, 40x58 feet, slag roof, yellow pine floors. Contract awarded Carr & Courtney, 3025 Poplar street, Philadelphia.

Residence, Southeast Corner Frontenac and Arthur streets, Philadelphia, \$5,000. Owner, Theodore Dempster, 824 East Ontario street, Philadelphia. Brick, 2 stories, 26x46 feet, hot water heat, electric light, slag roof, oak and yellow pine floors. Contract awarded to C. Day, Holmesburg, Pa.

Store (alts. and add.), 110 South Fifty-second street, Philadelphia, \$16,400. Architect, private plans. Owner, C. Reiher, on premises. Brick, 1 story add., 20x40 feet, general alterations. Contract awarded to S. Yellin & Son, 222 North Eleventh street, Philadelphia.

Garage (alts. and add.), 3059 North Eighth street, Philadelphia, \$15,000. Architect, private plans. Owner, Louis Snyder, 3061 North Eighth street, Philadelphia. Brick, 1 story add., 17 feet 6 inches x 660 feet, general alterations. Contract awarded to H. A. Hopple, Heed Building, Philadelphia.

Store and Residence (add.), 6661-63 Germantown avenue, \$12,000. Architect, private plans. Owners, Mr. and Mrs. Benjamin Barsby, 6657 Germantown avenue, Philadelphia. Brick, 1 story, 31x29 feet 6 inches. Contract awarded to R. H. Delaney, 5657 Boyer street, Philadelphia.

Residences (4), East side Northumberland street, South of Cottman, \$4,000 each. Owner, George J. Woeerre, 1542 North Twenty-seventh street, Philadelphia. Brick, 2 stories, 16x37 feet, hot water heat, electric light. Contract awarded to August Salewsky, 1415 Bleigh street, Philadelphia.

Residences (26) (alts.), 1900-24, 1901-25 Waverly street, Philadelphia. Architect, private plans. Owner, Marie J. Howe, Crefeldt street, Chestnut Hill, Pa. Brick, 2 stories, 16x38 feet, hot water heat, electric work, slag roof, oak and yellow pine floors. Contract awarded Herman H. Burrell, 206 South Quince street, Philadelphia.

Store and Residence (add. and alts.), 1831 Fairmount avenue, Philadelphia, \$9,580. Architect, private plans. Owners, Murphy & Keats, 332 North Fifteenth street, Philadelphia. Brick, 2 stories, 18x38 feet, steam heat, electric light, slag roof, yellow pine floors.

Contract awarded to George P. Clayton, 1517-19 North Twentieth street, Philadelphia.

Residence (add.), 7917 Eastwick avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Harry Gorlin, 8406 Eastwick avenue, Philadelphia. Brick, 1 story front, 25x11 feet, side 34x9 feet, slag roof, yellow pine floors. Contract awarded I. Kaplan, 7904 Eastwick avenue, Philadelphia.

Store (alts.), 146 North Tenth street, Philadelphia, \$3,000. Architect, private plans. Owners, Gould Brothers, 142 North Tenth street, Philadelphia. General alterations (interior). Contract awarded Solomon Kravitz, 535 South Fifty-seventh street, Philadelphia.

Store and Residences (add.), 1524 North Second street, Philadelphia, \$2,500. Owner, Jacob Noel, 1429 North Lawrence street, Philadelphia. Brick, 1 story, 12x22 feet, slag roof, yellow pine floors. Contract awarded Joseph Keiteinback, 441 East Clearfield street, Philadelphia.

Garage, 6381 Overbrook avenue, Philadelphia, \$2,700. Architect, private plans. Owner, Victor Lee Emerson, on premises. Brick, 2 stories, 25x40 feet, slag roof, cement floors, electric work. Contract awarded to William C. Nester, 2019 North Sixty-third street, Philadelphia.

Garage, 1934-36-38 Granite street, Philadelphia, \$2,500. Architect, private plans. Owner, Robert Boylan, 539 West Erie avenue, Philadelphia. Brick, 1 story, 18x60 feet, 17x60 feet and 21x9 feet, slag roof, cement floors, electric light. Contract awarded to Edward B. Miller, 3935 North Marshall street.

Store and Residence (add.), 258 Roxborough avenue, \$2,500. Architect, private plans. Owner, Frederick Howarth, on premises. Brick, 1 story add., 17 feet 3 inches x 37 feet, slag roof, pine floors. Contract awarded to Elmer J. Cuthbertson, 334 Roxborough avenue.

Office, North side Fishers avenue, West of Seventh street, Philadelphia, \$2,000. Architect, private plans. Owners, National Speedway, Seventh and Fisher's avenue, Philadelphia. Concrete block, 1 story, 14x40 feet, slag roof, electric work. Contract awarded to William Myers, 8004 Brunswick avenue, Philadelphia.

Improvement of Cedar Park, Forty-ninth and Baltimore avenue, Philadelphia, \$2,100.

City architect, John Molitor, Bankers' Trust Building, Philadelphia. Owners, Department of Public Works, Bureau of City Property, Philadelphia. Contract awarded Conneen Const. Co., 2315 Walnut street, Philadelphia.

Store and Residences (alts.), 2613 West Girard avenue, Philadelphia, \$2,200. Architect, private plans. Owner, Freda Liths, 1011 Girard avenue, Philadelphia. General interior alterations. Contract awarded Albert A. Shatten, 410 Liberty Building, Philadelphia.

Residences (add.), 1920 South Ninth street, Philadelphia. Architect, private plans. Owner, Concetta Abata, on premises. Brick, 2 stories, 13x15 feet, slag roof, yellow pine floors. Contract awarded to Eugene Zanon, care of owner.

Residence and Store (add.), 7256-58 Rising Sun avenue, Philadelphia, \$10,000. Architect, private plans. Owner, Isaac Matt, Harris and Merten streets, Philadelphia. Brick, 2 stories, 49x7½x31 feet, steam heat, electric work, slag roof, oak and yellow pine floors. Contract awarded to David Sloan, 4763 North Eighth street, Philadelphia.

Office and Store (alts.), 260 South Seventeenth street, Philadelphia, \$5,000. Architect, private plans. Owners, Mrs. Franklin, Inc., 260 South Seventeenth street, Philadelphia. General alterations. Contract awarded to E. R. Hall, 34 South Seventeenth street, Philadelphia.

Store and Residence (add. and alts.), 223 South Forty-fifth street, \$3,000. Architect, private plans. Owner, Levon B. Aralselia, 7278 Woodland avenue, Philadelphia. Brick, 1 story add., 13x16 feet, general alterations. Contract awarded to Harry Esain, 5410 Lancaster avenue, Philadelphia.

Garage, 4310-12 Fairmount avenue, Philadelphia, \$2,500. Architect, private plans. Owner, William S. Stephens, Jr., 4612 Merion street, Philadelphia. Brick, 1 story, 40x18 feet, slag roof, cement floors. Contract awarded to James R. Hall, 142 North Peach street, Philadelphia.

Store and Residence (alts.), 3075 Kensington avenue, \$2,000. Architect, private plans. Owner, Irwin Shuttleworth, 3054 Kensington avenue, Philadelphia. General alterations. Contract awarded to A. Rosenberg, 1918 East Orleans street, Philadelphia.

PENNSYLVANIA Construction News

Home, Pottstown, Pa. Architect, Carl P. Berger, 1512 Walnut street, Phila. Owner, Loyal Order of Moose, Pottstown, Pa. Architect taking bids due Oct. 1.

Dormitory Building, Erie, Pa. Architects, Department of Architecture, J. Uhler, State Capitol, Harrisburg, Pa. Owners, Edinboro State Normal School, C. C. Crawford, Edinboro, Pa. Brick. Preliminary plans in progress.

Y. M. C. A. Building, Bradford, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Y. M. C. A., Ralph George, Bradford, Pa. Brick, steel, 3 stories, built-up roof, linoleum floors, hollow tile, dumb waiters, cut stone, iron stairs, fire doors, bronze work, skylights, tile work, metal partitions, metal lath, rolled steel sash (heating, plumbing, ventilating, electric work separate). Revised plans in progress.

Filling Station, Ashbourne, Pa. Architect, private plans. Owner, Charles Kahn, Morris Building, Philadelphia (Gulf Refining Co.). Brick, 1 story, slag roof, cement floors. Plans in progress.

Dairy Building, Chester, Pa. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner, name withheld. Stone, steel, 3 stories, 175x45 feet, slate roof, cement floors, hollow tile, roof ventilators, dairy equipment, rolled steel sash, electric light. Plans in progress.

High School, Wernersville, Pa., \$60,000. Architects, Scholl & Richardson, Fifth and Walnut streets, Reading, Pa. Owners, Borough of Wernersville, care of architects. Brick, 2 stories. Preliminary plans in progress.

School (add.), Fourth and Franklin streets, West Reading, Pa. Architects, Scholl & Richardson, Fifth and Walnut streets, Reading, Pa. Owners, District of West Reading, Elmer Wenrick, 353 Penn street, Reading, Pa. Fireproof, 3 stories. Plans in progress.

Convent (alts. and add.), Ninth and Walnut streets, Reading, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, St. Paul's Roman Catholic Church, Rev. Theodore Hammeke, 151 North Ninth street, Reading, Pa. Brick, 4 stories, 24 feet 6 inches x 16 feet, 15x9 feet, composition and asbestos shingle roof, pine floors, steam heat,

electric light, tile work, iron stairs. Plans in progress.

Mill Building, Sinking Springs, Pa., \$150,000. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owner, H. W. Anthony Knitting Mills, Straoustown, Pa. Brick, 1 story. Plans in progress.

Residence, near Kennett Square, Pa. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner, name withheld. Stone, 2½ stories, 45x37 feet, (2) 20x32 feet, slate roof, hot water heat, electric light, hardwood floors, tile and marble work. Plans in progress.

Residence, Lancaster, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owner, name withheld. Cinder block and stucco, 2 stories, 50x60 feet, tile roof, hardwood floors, electric light. Plans in progress.

Bank Building, St. Michael, Cambria County, Pa. Architect, Henry L. Reinhold, Jr., 1513 Walnut street, Philadelphia. Owners, St. Michael National Bank, St. Michael, Pa. Brick, artificial stone, 2 stories, 30x70 feet, slag roof, hardwood floors, electric light, bronze work, marble work, copper bulks. Owners taking bids.

Warehouse and Show Room, Kingston, Pa. Architect, L. V. Lacy, 45 Owen street, Forty Fort, Pa. Owners, Keystone Motor Car Co., 170 South Washington street, Wilkes-Barre, Pa. Brick and terra cotta, 1 story, 90x80 feet and 120x94 feet, slag roof, pine and cement floors, electric light, steam heat. Architect will be ready for bids in about two weeks.

New Annex to Store, Pottsville, Pa. Architect, W. D. Hill, Pottsville, Pa. Owners, Jacob Ulmer Packing Co., Pottsville, Pa. Brick, 15x38 feet, built-up roof, maple floors, steam heat, electric light, metal lath, iron work, brass pipe. Architect sub-letting.

Dwelling, Minersville, Pa. Architect, W. D. Hill, Pottsville, Pa. Owner, Norman D. Crawford, Minersville, Pa. Colonial residence, 40x40 feet (heating, plumbing, electric wiring reserved), shingle roof, oak floors, metal lath, tile and marble work, brass pipe. Architect sub-letting.

Building (remodeling), Pottsville, Pa. Architect, W. D. Hill, Pottsville, Pa. Owner, Roy Freedline, Pottsville, Pa. Brick and frame, 30x48 feet (heating, plumbing and electric work reserved), steam heat, electric light, metal lath, oak floors, fire escapes. Architect sub-letting.

Bank (alts.), Mauch Chunk, Pa. Architect, M. G. Prutzman, Mauch Chunk, Pa. Owners, Mauch Chunk National Bank, I. G. Ross, president, Mauch Chunk, Pa. Bond, electric work, ornamental iron work, brass pipe (furnishings and bronze work, heating reserved). Architect taking bids due September 23rd.

Apartment House, Stratford and Lansdowne avenue, Lansdowne, Pa. Architect, Sol. Kaplan, 10 South Eighteenth street, Philadelphia. Owners, name withheld. Brick, 3 stories, 110x160 feet, 36 apartments, slag roof, hardwood and rubber tile floors, vapor heat, oil burning equipment, electric light, tile and marble work, plumbing. Plans in progress. Builder, J. F. Roystone, 705 East Girard avenue, Philadelphia, will be ready for sub-bids in three weeks.

Studio Building, Bloomsburg, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owner, Ralph C. Phillips, First National Bank Building, Bloomsburg. Brick, steel, 3 stories, irregular in size, slag roof. Plans completed. Owners will take bids.

Grade School (add.), Reading, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owners, Reading School Board, Oscar B. Heim, secretary, Eighth and Washington streets, Reading, Pa. Fireproof, 2 stories and basement, 75x50 feet, 50x100 feet, built-up roof, Elaterite floors, hollow tile,

safety treads, roof ventilators, waterproofing and dampproofing, ornamental iron, iron stairs, kalamein doors, skylights, tile and marble, metal lath (heating, plumbing and electric work separate). Owners will be ready for bids in about one week.

School and Convent, New Philadelphia, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, Lithuanian Church, Rev. S. C. Musaras, New Philadelphia, Pa. Brick, steel, 3 stories and basement, 88x26 feet, 64x56 feet, 34x88 feet, composition roof, hardwood and tile floors, safety treads, roof ventilators, iron stairs, fire doors, tile and marble (heating, plumbing and electric separate). Architect and owners taking sub-bids on all items except steel.

Apartment House and 3 Stores, Ardmore, Pa. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owners, Salason & Freed, Franklin Bank Building, Philadelphia. Brick, limestone, steel, 3 stories, 57x132 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work, 22 apartments. Owners taking sub-bids.

Residence, Lancaster, Pa. Architect, J. B. Harmon, 56 North Queen street, Lancaster, Pa. Owner, J. Shultz, care of architect. Brick, cinder block, 2 stories, 34x46 feet, slate roof, linoleum floors, steam heat, electric light, tile work. Architect taking bids due October 1st.

Residence and Garage, Radnor, Pa. Architect, Edward F. Hoffman, Jr., 315 South Fifteenth street, Philadelphia. Owner, C. Fenno Hoffman, on premises. Brick, limestone, 2½ and 1½ stories and basement, 103x43 feet, garage, 23x24 feet, shingle roof, oak, pine and cement floors, painting and glazing, plumbing, metal weather strip, electric light, tile work, bond, ornamental iron work, flagstone, metal corner beads, wrought iron pipe. Architect taking bids due October 7th.

State Forestry School, Mount Alto, Pa. Architect, W. Walter Witman, 21 North Nineteenth street, Harrisburg, Pa. Owners, Department of Forests and Water, Harrisburg, Pa. Reinforced concrete, Indiana limestone, steel, brick, 3 stories and basement, 152x59 feet, composition roof, cement and maple floors, safety treads, roof ventilators, metal lath, rolled steel sash, bond, floor hardener, iron stairs, ornamental iron work, integral waterproofing, gypsum partitions, metal toilet partitions, ornamental plaster. Architect taking revised bids due October 6th at 11 A. M.

Residence and Garage, Bryn Mawr, Pa. Architects, Lippincott & Schaefer, 11 South Sixteenth street, Philadelphia. Owner, Joseph H. Morris, Bryn Mawr, Pa. Hollow tile and stucco, stone, 2½ stories and basement, 40x48 feet, shingle roof, oak and pine floors, electric light, metal lath, tile and marble work, bond, ornamental iron work, cinder blocks, steel casement sash. Architects taking bids.

Residence and Garage, Merion, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owner, S. K. Scattergood, 5048 Chestnut street, Philadelphia. Stone, cut stone, steel, 2½ stories, variegated slate roof, oak and pine floors, plumbing, electric light (heating reserved), tile and marble work, ornamental iron work, painting and glazing, wrought iron pipe. Architects taking bids due October 5th.

Cottages, Nos. 5 and 6, Laurelton, Pa. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owners, Laurelton State Village for Feeble Minded, Laurelton, Pa. Stone, reinforced concrete, 2½ stories, 100x84 feet, slate roof, cement floors, steam heat, electric light. Owners taking bids on general contract, plumbing, heating, electric, due October 9th, 7 P. M. (public opening), bond. Deposit, \$10, refunded. Plans may be secured at office of architect.

Residence (alts. and add.), Bethayres, Pa. Architects, Leigh French, Jr., and H. D. Eberlein, 15 East Forty-ninth street, New York. Owner, Mrs. H. L. Taylor, Bethayres, Pa. Stone, masonry, brick work, stucco, metal lath, carpentry, oak floors, sheet metal work, painting, plumbing, brass pipe, hot water heat, electric light. Architects taking bids due October 3rd.

Residence, Shamokin, Pa. Architects, Muhlenberg Brothers, 511 Penn street, Reading, Pa., and 206 Thompson Building, Pottsville, Pa. Owner, H. K. Leder, Shamokin, Pa. Brick, 2½ stories, 48x48 feet, slate roof, hardwood floors, hot water heat, electric light, tile work (heating, plumbing and electric reserved). Architects taking bids due October 1st.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Owners taking bids due October 2nd at 10 A. M.

Beaver County, R-278, A-3421, Green Township, Hookstown Borough, 8,965 feet. One course reinforced concrete. Certified check, \$2,000.

Beaver County, R-347, A-3746, North Sewickley Township and Franklin Township, 2,357 feet. One course reinforced concrete. Certified check, \$1,500.

Clearfield County, R-276-401, A3345-3531, Ramey Borough, 4,611 feet. One course reinforced concrete. Certified check, \$1,500.

Fayette County, A-1220-1035, Bullsken and Upper Tyrone Townships, 9,686 feet. One course reinforced concrete. Certified check, \$2,000.

Sullivan County, R-17, Sec. 7, Laporte and Cherry Townships and Dushore Borough, 32,235 feet. One course reinforced concrete. Certified check, \$3,500.

Susquehanna County, R-316, A-3610, Rush Township, 16,467 feet. One course reinforced concrete. Certified check, \$3,000.

Bridge, Route 10, over Susquehanna River at Halstead, Susquehanna County, Pa. Three-span, through truss, each span 163 feet 1½ inches, roadway 20 feet, 5-foot sidewalk, in accordance with plans S-418.

Office Building (alts.), South Office Building, Harrisburg, Pa. Owners, State of Pennsylvania, Berkey H. Boyd, Capitol Building, Harrisburg, Pa. Plain and ornamental plastering. Owners taking bids due October 6th at 11 A. M.

Road Work, Pennsylvania. Owners, Penna. Dept. of Highways, Harrisburg, Pa. Lowest bidders: Bradford Co., R-15, A-3572, Rome Boro., Rome Twp., 6576 feet. One course reinforced concrete. Lane Contrs. Co., Meriden, Conn., \$52,907.70. Schuylkill County, R-290, Mahanoy City Boro., 4705 feet. Bituminous surface course on asphaltic concrete foundation. Union Paving Co., 30th and Locust streets, Phila., \$108,689.34; Adams County, A-3412, Germany Twp., 5383 feet, one course reinforced concrete, W. Grant Raub Co., Red Lion, Pa. \$40,044.35. Clearfield County, R-62-C, Greenwood Penn Twps., Grampian Boro., 24,933 feet. One course reinforced concrete. Clark Bros. Const. Co., Hastings, Pa. \$250, 712.32. Berks County, A-3222, Maxatawney and Greenwich Twp., Kutztown Boro., 27,345 feet. One course reinforced concrete. Angelo Dierenzo, Bristol, Pa. \$211,544.83. Carbon County, A-3741, Towanmensing Twp., 2360 feet, one course reinforced concrete; McInerney & McNeal, Inc., Easton, Pa., \$21,572.52. Monroe County and Luzerne County, R-169, Sec. 3, Tobyhanna and Bucks Twps., 11,193 feet, grading and drainage; W. H. Murphy & Sons, Harrisburg, Pa., \$55,887.30. Butler County, A-3663, Summit Twp., 9653 ft. One course reinforced concrete, Winter and Yapple, Erie, Pa., \$77,057.34. Berks County, A-3464, Amity and Exeter Twps., 37,604 feet, one course reinforced concrete, Wm. B. Sheidy, Wyomissing, Pa., \$319,761.88. Huntingdon

County, A-2826, Wood Twp., 9953 feet, bituminous penetration macadam on broken stone base; Colgan & Kelley, Lewistown, Pa., \$59,833.69.

Pennsylvania Contracts Awarded

Residence, Pennock avenue, Highland Park, Pa. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, James Kelly, care of builder. Stucco, cinder block, 2 stories, 40x30 feet, hot water heat, electric light, tile work, shingle roof, hardwood floors, stone face. Plans can be seen at 2211 North Fifteenth street, Philadelphia. Contract awarded to L. Rosengarten, 2211 North Fifteenth street, Philadelphia, who is taking sub-bids due at once.

Residence (alts.), New Garage, Villa Nova, Pa. Architects, Mellvaine & Roberts, Otis Building, Philadelphia. Owner, Thomas J. Dolan, on premises. Stone, 2½ stories, 71x30 feet, shingle roof, cement floors, hot water heat, electric light, cement floors, carpentry and mill work, plumbing, plastering, painting and glazing. Contract awarded Herbert G. Campion, Otis Building, Philadelphia.

Residence, York, Pa. Architects, Whitman & Royer, 47 East Market street, York, Pa. Owner, S. Y. Grass, 47 East Market street, York, Pa. Cinder block and stucco, 2½ stories, 40x35 feet, asbestos shingle roof, hardwood floors, vapor heat, electric light, tile work. Contract awarded to S. L. Pressel, York, Pa.

Grandstand, York, Pa. Architect, Edward Leber, Hay Building, York, Pa. Owners, York County Agricultural Society, York, Pa. Reinforced concrete, brick, steel, 425x94 feet, composition, asbestos slate roof, plumbing, painting, glazing, electric light, metal lath, rolled steel sash, bond, ornamental iron work. Contract awarded to C. W. Strayer, Harrisburg, Pa.

Road Work, Pennsylvania. Owners, State Highway Department, Harrisburg, Pa.

Montgomery County, R-155, Hatboro Borough. Awarded Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$81,932.61.

Cumberland County, R-250, North Cumberland and Lemoyne Borough, Lower Allen Township. Awarded Paul R. Hostetter Co., York, Pa., \$109,831.28.

Road Work, Pennsylvania. Owners, Penna. Dept. of Highways. Harrisburg, Pa., Dauphin-Lebanon Counties, R-139, Derry Twp. and Palmyra Boro., contract awarded to Clyde B. John & Bro., Malvern, Pa., \$112,163.65.

New Jersey Construction News

Supplies, Bound Brook, N. J. Owners, Department of Agriculture, Washington, D. C. 65 tons powdered arsenate of lead. Owners taking bids due October 16th at 2 P. M.

Schools (3), Mt. Ephraim, Runnemede, Lawnside, N. J. Architects, Edwards & Green, 34 South Seventeenth street, Philadelphia. Owners, School Board of Center Township, John Haufman, Runnemede, N. J. Brick, 2 stories and basement, 6 rooms; brick, 2 stories and basement, 4 rooms; brick, 1 story and basement, 2 rooms. Plans in progress.

Residence, Trenton, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owner, Mr. William Weinman, Trenton, N. J. Brick, 2½ stories, 44x28 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Residence, Morris Heights, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owner, Mr. John Sines, Trenton, N. J. Brick, 2½ stories, 30x50 feet, hot air heat, electric light, slag roof, hardwood floors, tile work. Plans in progress.

Residence, Morris Heights, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owner, Frank E. Warren, Trenton, N. J. Frame and stucco, 2½ stories, 26x26 feet, hot water heat, tile work, electric light, slate roof, hardwood floors. Plans in progress.

Residences, K, L, M, O, Brigantine Beach, N. J. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owners, Four Island Development Co., care of J. Haywood, 1201 Atlantic avenue, Atlantic City, N. J. Hollow tile, stucco, brick, 1, 1½, 2 stories, shingle roof, hardwood and pine floors, hot water heat, electric light, tile work. Owners will take bids.

Boiler House and Laundry, Trenton, N. J. Architect, William A. Klemann, First National Bank Building, Trenton, N. J. Owners, St. Francis' Hospital, Chambers and Hamilton streets, Trenton. Fireproof, 2 stories and basement, 40x80 feet, slag roof, concrete floors, steam heat, electric light, rolled steel sash, fire doors, roof ventilators, waterproofing and dampproofing, iron stairs. Architect ready for bids in one week.

Nurses' Residence and Staff House, Doctors' College, Skillman. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, State of New Jersey, Dr. F. Weeks, Trenton, N. J. Brick, cut stone, steel (plumbing, heating and electric separate), black slate tin slag roof, cement, oak and pine floors, hollow tile, shoring, dampproofing, architectural terra cotta, ornamental iron work, iron stairs, bond, floor hardener, kalamein doors, tile and marble work, metal lath, flagstone, membrane waterproofing, doctors' cottage, 2½ stories and basement, 38x29 feet; alterations Knights Cottage, Service Building, Alla Cottage, New Staff House, 2 stories and basement, 107x30 feet; Nurses' Residence, 2 stories and basement, 91x50 feet. Architects taking sub-bids on all items except heating, plumbing, electric work. Sub-bids due September 28th. Contracts awarded: Plumbing and heating, George J. Foley, Plainsfield, N. J. Electric, Jackson Electric Co., Trenton, N. J.

Employees, Dormitory (add.), Glen Gardner, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, Tuberculosis Home, Dr. Engles, Glen Gardner, N. J. Brick, reinforced concrete, stucco, steel, 2 stories, 31x90 feet, 74x34 feet, tin, slag and tile roof, rubber tile and cement floors, hollow tile, dumb waiters, safety treads, bluestone, waterproofing and dampproofing, architectural terra cotta, ornamental iron work, iron stairs, floor hardener, steel doors, copper skylights, tile and marble work, metal lath, plate glass, painting and glazing, steel dressers, screens. Architects taking sub-bids.

Infirmary Building and Children's Quarters, Glen Garden, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, Tuberculosis Home, Dr. Engles, Glen Garden, N. J. Brick, reinforced concrete, steel, 290x40 feet, 70x40 feet, slag roof, rubber tile and cement, linoleum floors, safety treads, waterproofing and dampproofing, terra cotta, ornamental iron work, iron stairs, floor hardener, refrigeration, kalamein doors, outside screens, marble and terrazzo work, steam heat, electric light. Architects taking sub-bids due October 16th.

Public Schools (2), Pensauken Township, N. J. Architect, Irwin T. Catherine, 812 Franklin Trust Building, Philadelphia. Owners, School Board of Pensauken Township, N. J. Brick, cut stone, steel, 2 stories and basement, 212x50 feet, wing 93x39 feet (plumbing, heating and electric, ventilating separate), composition and variegated slate roof, composition and maple, cement floors, safety treads, metal weather strip, shoring, integral waterproofing, dampproofing, ornamental iron work, iron stairs, floor hardener, hollow metal doors, tile, marble and terrazzo work, granite, metal corner beads, leaded glass, steel partitions, membrane waterproofing, ornamental plaster. Certified check 10 per cent. of bid. Owners taking bids due October 2nd. Bond required.

High School, Long Branch, N. J. Architects, E. A. Arend, 105 West Fortieth street, New York City; Guilbert & Betelle, Newark, N. J. Consulting engineers, Sprague & Slocum, 50 East Forty-first street, New York City, and E. S. Powers, Newark, N. J. (structural engineer). Owners, Board of Education, Long Branch, N. J. Brick, steel, 2 stories and basement, 251x71 feet, wing 153x117 feet, slag and slate roof (plumbing, heating, electric light, ventilating separate), cement, maple, Duraflex floors, metal lath, tile, marble and

ment, 212x50 feet, wing 93x39 feet (plumbing, heating and electric, ventilating separate), composition and variegated slate roof, composition and maple, cement floors, safety treads, metal weather strip, shoring, integral waterproofing, dampproofing, ornamental iron work, iron stairs, floor hardener, hollow metal doors, tile, marble and terrazzo work, granite, metal corner beads, leaded glass, steel partitions, membrane waterproofing, ornamental plaster. Certified check 10 per cent. of bid. Owners taking bids due October 2nd. Bond required.

High School, Long Branch, N. J. Architects, E. A. Arend, 105 West Fortieth street, New York City; Guilbert & Betelle, Newark, N. J. Consulting engineers, Sprague & Slocum, 50 East Forty-first street, New York City, and E. S. Powers, Newark, N. J. (structural engineer). Owners, Board of Education, Long Branch, N. J. Brick, steel, 2 stories and basement, 251x71 feet, wing 153x117 feet, slag and slate roof (plumbing, heating, electric light, ventilating separate), cement, maple, Duraflex floors, metal lath, tile, marble and

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School, Morristown, N. J. Architects, Palmer, Plowsky & Smith, 52 Williams street, New York City. Owners, Board of Education, Morristown, N. J. Brick, reinforced concrete, steel, 3 stories and basement (plumbing, heating, electric, ventilating separate), blue gray slate roof, maple and composition floors, metal lath, rolled steel sash, bond, iron stairs, ornamental iron work, cast stone. Owners taking bids due October 1st.

Residence and Garage, Nassau avenue, Margate City, N. J. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, Marie Blaesius, Ocean City, N. J. Hollow tile, brick, veneer, 2½ stories, 28x43 feet, slate and shingle roof, hardwood floors, hot water heat, electric light, tile work. Architect taking bids due October 1st.

Residences and Garages, No. B, C, D, E, Riverton, N. J. Architect, J. Fletcher Street, 1120 Locust street, Philadelphia. Owner, Charles S. Mears, Riverton, N. J. Stone, 2 stories, slag roof, hardwood floors, hot air heat, electric light, tile work. Architect taking bids due October 2nd.

Residence, 1124 North Thirty-fourth street, Camden, N. J., \$4,800. Owner, Emil Ranto, 1038 North Thirty-second street, Camden, N. J. Frame, 2 stories, 22x30 feet, slag roof, hot water heat, electric light. Permit granted.

Apartment House, Atlantic City, N. J. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, name withheld. Brick, 3 stories, 33x140 feet (24 apartments), slag roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Junior High School, Blackwood, N. J. Architect, Thomas Stephen, Temple Building, Camden, N. J. Owners, care of Jacob Price, Glendora, N. J. Brick, steel, reinforced concrete, 2 stories and basement, 106x130 feet, slate and slag roof, hardwood floors, hollow tile, roof ventilators, safety treads, cast stone, ornamental iron work, concrete stairs, skylights, metal lath (heating, plumbing and electric work separate). Will advertise for bids in about ten days.

Residence, Haddonfield, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, name withheld. Hollow tile and stucco, 2½ stories, 26x42 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Plans in progress.

Store and Bakery, Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, Joseph Hodnicki, care of architect. Brick, 1 and 2 stories, 72x44 feet, slag roof, pine floors, hot water heat, electric light. Plans in progress.

Residences (8), 1266-80 Dayton street, Camden, N. J. \$30,000. Architect, private plans. Owners, Costanza Bros., 1338 Sheridan street, Camden, N. J. Brick, 2 story, 18 ft. 2-in. by 34 ft., slag roof, pine floors, hot water heat, electric light. Permit granted.

New Jersey Contracts Awarded

State Home for Girls, Trenton, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, State of New Jersey, Court House, Trenton, N. J. Reinforced concrete, brick, steel (plumbing, heating and electric separate), tin and black slate roof, cement floors, hollow tile, painting and

glazing, metal window guards, ornamental iron work, shoring, floor hardener, iron stairs, kalamein doors, rolled steel sash, tile and marble work, metal lath, integral waterproofing, membrane waterproofing, limestone, granite and bronze work. **Infirmity Building**, add. 2 stories and basement, 66x28 feet. **Recreation Building**, 3 stories, 75x32 feet, 2 wings 38x31 feet. Architects taking sub-bids on all items except plumbing, heating and electric work. Contracts awarded: **Infirmity Building**, heating and plumbing, J. T. Evans, Wilkes-Barre, Pa.; electric, Jackson Electric Company, Trenton, N. J. **Reception Building**, heating and plumbing, J. T. Evans, Wilkes-Barre, Pa.; electric, Randolph Elec. Co., Trenton, N. J.

Apartment House, Trenton, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owner, Peter Schlicker, Jr., care of architect. Concrete, brick, steel, 3 stories and basement, 55x185 feet, vapor heat, electric light, metal lath, tile and marble work, slag roof, hardwood floors, iron stairs. Contract awarded George A. Davis, Trenton Trust Building, Trenton, N. J.

Wax Building (alts.), Paulsboro, N. J. Architect, private plans. Owners, Vacuum Oil Co., Paulsboro, N. J. Hollow tile and reinforced concrete, 2 stories and basement, 26x80 feet, cement floors, plumbing, rolled steel sash, press foundations, tin covered doors. Contract awarded White Const. Co., Jefferson Building, Philadelphia.

Residences (6), 3281-91 Rosedale avenue, Camden, N. J., \$21,000. Architect, private plans. Owners, Hitchner & Todd, Fifth and Mickle streets, Camden, N. J. Brick, 2 stories, 16x26 feet, slag roof, pine floors, hot air heat, electric light. Contract awarded to Wesley H. Bauck, 2700 Cramer street, Camden.

Residences (5), 133-35-37-39-41 North Twenty-fifth street, Camden, N. J., \$20,000. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owner, E. Evantash, 1427 Ormond avenue, Camden, N. J. Brick, 2 stories, 14x42 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Henry H. Wilson, Gloucester, N. J.

Block Garage and Alterations, 619 North Fifth street, Camden, N. J., \$2,500. Architect, private plans. Owner, Max Greenburg, Southeast Corner Fifth and Vine streets, Camden, N. J. Block, 1 story, 16x27 feet, hot water heat, slag roof, alterations to first floor, iron work, flush windows, stone work. Contract awarded Albert J. Gruber, 410 North Seventh street, Camden, N. J.

Addition and Alterations, 601-603 South Third street, Camden, N. J., \$2,400. Architect, private plans. Owner, Leon Donien, Camden, N. J. Brick addition, 2 stories, 25x28 feet, slag roof, pine floors, electric. Contract awarded Ernest Ferrozzi, 329 Clinton street, Camden, N. J.

Jail (add.) and Warden's Quarters, Flemington, N. J. Architect, R. A. Schumann, 202 West State street, Trenton, N. J. Owners, Board of Chosen Freeholders, care of Mr. J. Dineen, Hampton, N. J. Stone, 37x75 feet, 30 cells, monolithic floors, electric work, general alterations. Contract awarded Andrew Tuozola, 415 Francis street, Trenton.

Garage, Southwest Corner Ferry and Atlantic avenue, Camden, N. J., \$20,000. Architect, private plans. Owner, Joseph Weiner, 1500 Broadway, Camden, N. J. Block, 1 story, 60x300 feet, slag roof, cement floors. Contract awarded Joseph D. Hill, Collingswood, N. J.

Laundry Building, 1709 Kossuth street, Camden, N. J., \$4,000. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, Bond Laundry, Inc., Camden, N. J. Block, 1 story, 33x77 feet, slag roof, cement floors, electric light. Contract awarded Raymond Caruso, 2002 Broadway, Camden, N. J.

Addition and Alterations, 1512 Mt. Ephriam avenue, Camden, \$3,500. Architect, private plans. Owner, Michael Staszak, Camden, N. J. Brick, 2 stories, 15x12 feet, slag roof, cement floors, electric. Contract awarded Tony Prawdzik, 1213 South Tenth street, Camden, N. J.

Residence, 3309 Remington street, Camden, N. J., \$3,000. Architect, private plans. Owner, George W. Dulaney, Camden, N. J. Frame, 1 story, 22x34 feet, warm air heat, asphalt shingle roof. Contract awarded Hugh Wevelsburg, 1046 Cooper street, Camden, N. J.

Post Office Building, Haddonfield, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owner, Joseph F. Wallworth, Smith-Austermuhl Building, Camden, N. J. Brick, cinder block, steel, 1 story and basement, 92x26 feet, Barrett Specification roof, cement and maple floors, plumbing, steam heat, electric light, rolled steel sash, bond, ornamental iron, metal ceilings. Contract awarded to G. W. Sheppard, 106 Volan avenue, Merchantville, N. J. (Note change in contractor.)

Residence, Merchantville, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, Joseph Daley, Merchantville, N. J. Frame, 2 stories, 24x38 feet, asbestos shingle roof, hardwood floors. Contract awarded to E. H. Sharp, Merchantville, N. J.

Residence, 1587 S. 10th street, Camden, N. J. \$5,000. Architect, private plans. Owner, John Wuzykowski, 942 Thurman street, Camden, N. J. Brick, 2 story, 14 ft. by 46 ft., slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Stephen Schoen, 1315 Chase street, Camden, N. J.

Miscellaneous Construction News

Office Building, 49th and Madison avenue, New York City, N. Y. Architect, Frank E. Hahn, 7th and Chestnut streets, Phila. Owner, 49th Street Realty Corp., New York City. Stone, steel, brick, concrete, 15 stories. Plans in progress.

Residence, Reynolda Park, N. C. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, J. K. Norslett, Winston-Salem, N. C. Brick, 2 stories, tile roof. Plans in progress.

Residences (7), Wilmington, Del. Architect, J. A. McKibbin, Industrial Trust Building, Wilmington, Del. Owner, name withheld. Brick, 2½ stories, 14x45 feet, slag roof, pine floors, hot water or hot air heat, electric light. Plans in progress.

Dormitory (New Castle Hall), Newark, Del. Architects, Day & Klauder, Franklin Bank Building, Philadelphia. Owners, Delaware Schools Auxiliary, care of Mr. Taylor, DuPont Building, Wilmington. Brick, structural steel, reinforced concrete, 3½ stories, 116x35 feet, slate roof, pine floors, hollow tile, steam heat, electric light, metal lath, interior and exterior marble work, terrazzo work, ornamental iron work, bluestone, waterproofing. Owners taking bids due October 6th.

Road Work, Delaware. Owners, State Highway Department, Dover, Del. Owners taking bids due October 7th at 2 P. M. Deposit of \$10 required (refunded). Certified check for 10 per cent.

Contract CN 19B—Lum's Pond, 0.25 mile. Excavation, borrow, cement concrete pavement, longitudinal metal joint, Class A concrete gutter.

Contract CN 19C—Grading Summit Bridge Approach, 6,800 cubic yards excavation.

Contract CS 38, Vines Creek-St. George's Church, 3.05 miles. Clearing, grubbing, excavation, borrow, cement concrete pavement, cement concrete pavement (slag aggregate),

Class A concrete, reinforcement, corrugated metal pipe, 15-inch R. C. pipe, 18-inch R. C. pipe, 24-inch R. C. pipe, wire cable, guard rail, wood shoulder curb.

Contract CS 46, Cannon to Atlanta, 2.12 miles. Clearing, grubbing, excavation, borrow, cement concrete pavement, cement concrete pavement (slag aggregate), longitudinal metal joint, machine installed non-metallic joint, Class A concrete, reinforcement, corrugated metal pipe, 15-inch R. C. pipe, 18-inch R. C. pipe, wood shoulder curb.

Miscellaneous Contracts Awarded

Manufacturing Building, 5th Ave. Borough of Queens, New York. Architect, The Ballinger Co., 12th and Chestnut streets, Philada. Owner, VieBar Realty Co., Care Architect. Reinf. concrete, brick, stone trim and coping, 2 stories and basement, and part basement. 100 feet x 118 feet, cement floors, steam heat, rolled steel sash, hollow metal skylights, (plumbing, heating, electric and tuao. sprinkler system separate), vaults, ventilators, dampproofing, insulation, toilet, and locker rooms, ash hoists, 30-in. square brick chimney, 75-ft. high boiler room and cold storage in basement, 20,000 gal. steel tank. Contract awarded J. Woodruff & Son, L. Bridge Plaza, New York. Plumbing, Moran Engr. Co., New York City. Heating and electric, Rice and O'Donovan, 253 W. 28th street, New York City. Sprinkler, J. L. Murphy, 238 W. 108th street, New York City.

Proposal

Sealed and separate bids or proposals will be received by the Board of School Directors of the School District of the City of York, Pennsylvania, for the erection and completion of a Senior High School Building to be erected on the plot of ground lying at the northwest corner of West College Avenue and South Beaver Street, York, Pa. The proposals must be submitted separately for the—General construction of the building. Plumbing and Drainage, Electrical Work, and Heating and Ventilating—all in accordance with plans, drawings and specifications prepared by John B. Hamme, Registered Architect, York, Pa. A certified check equal to 5% or an acceptable Surety Company bond equal to 10% of the aggregate amount of the bid must accompany each proposal to guarantee acceptance of contract if awarded.

An acceptable Surety Company bond equal to the full amount of the contract will be required of the successful bidders.

Plans and specifications may be secured from David N. Crider, Secretary of the Board of Directors, in the Central School Building, corner of West King Street and Cherry alley, York, Pa., upon application accompanied by a deposit of cash or certified check of \$100 for each set of the General plans and specifications, \$85 of which will be returned for each set when plans and specifications are returned to said office accompanied with bid. A deposit or certified check for \$50 must accompany applications for each set of the Plumbing and Drainage, Electrical Work, or Heating and Ventilating plans and specifications, \$35 of which will be returned for each set when plans and specifications are returned accompanied with a bid.

In case no bid is received the entire

amount of the deposit or check will be forfeited.

On or about September 21, 1925, plans and specifications will be delivered to persons making application in accordance with the above requirements. Plans and specifications will be on view in the office of John B. Hamme, Registered Architect, Citizens' Savings and Trust Building; in the office of M. O. Lewis, Superintendent of Buildings and Grounds, in the Central School Building, York, Pa., and at the Builders' Exchanges in Philadelphia, Pa., and Baltimore, Md.

All bids must be signed, sealed, properly marked with name of contract bid upon and delivered to David N. Crider, Secretary, Central School Building, York, Pa., not later than one o'clock P. M. of Thursday, October 15, 1925.

The right is reserved to reject any and all bids.

EDWARD W. NEUMANN,
Chairman of the Committee on Buildings, Grounds and Fuel, of the Board of School Directors of the School District of the City of York, Pa.

(Continued from Page 612)

If the sills are in contact with the ground, or the posts are in a damp cellar, or if any part of the frame for other reasons is liable to remain damp, only woods with great natural durability should be selected.

The cheaper and more abundant softwoods are usually selected for the sheathing, roof boards and subfloors.

Shingles demand a very durable wood because they are often exposed to the weather without paint covering or preservative treatment. The cedars, cypress and redwood shingles give excellent results although pine shingles have been known to last many years.

Laths are often cut from slabs and other waste material from many kinds of wood. The chief requirements of laths are softness and freedom from warping.

Lumber used for the siding and exterior trim should be free from warping and checking and should allow nailing with little splitting.

The chief qualities required of flooring are hardness, even wearing, and freedom from slivers.

When oak is used the choice is not so dependent on wearing qualities as it is upon the decorative effect produced. Maple has a compact structure, absorbing liquids slowly which, together with its hardness and pleasing grain, makes it admirably suited for floors. Yellow-pine and Douglas-fir flooring is divided into two classes, namely, "flat-grain" and "edge grain." "Edge grain" flooring is much more desirable because it wears more evenly and is not as apt to sliver. Furthermore, the "edge grain" flooring being quarter sawn will not shrink and swell as much as the "flat grain."

There are many woods that can be used for door and window frames, although a

moderate amount of durability is desirable, for moisture from the outside may find its way into the hidden parts of the frame and produce conditions favorable to decay. Woods that are liable to warp should not be used. White pine is excellent for this purpose.—*Keith's Magazine*.

FALL BUILDING

A continuance of a very active building market seems assured throughout the fall and running into the winter. The year of 1925 will probably come close to a record year for building activities since the war, and an analysis of permits shows a most gratifying share of this building to be homes.

Fall building always has a fever to it, for everyone is trying to complete their building before cold weather and winter storms set in. People living in rented apartments and houses who are building, are consumed with the desire to hurry completion and get released from the landlord. Income producing buildings must be finished in order to secure the new fall tenant. The completion of the fall building program therefore results in everyone being busy. The material merchant is rushed, the contractor has his hands full and the mechanics are all happy because they are busy and making money. It's a time of year full of special interest in the building industry.

How about those of you who are just arriving at the decision to build? Shall we start in the fall or wait over? Start in the fall to the extent of at least putting in your foundation. There may be an open winter so that those of you who are living where the winters are cold will find an unexpected opportunity to go forward with the superstructure in the winter months. If, however, a hard winter prevails, you are that much ahead by having your foundation walls in and seasoned before the erection of the house. If the soil of your building site is soft and sandy it is an excellent idea to give the foundation walls time to settle. By the way, care in securing a good foundation, good supports and footings is important, for any settling must necessarily affect the superstructure by cracking of plaster walls and the opening of cracks in door and window casings. This advice to build this fall is not sectional but general because money seems more available and prices are fairly normal.

We are all delighted with this situation, for there is no accomplishment giving greater satisfaction than building a new house. Everybody, it seems, is doing it and authorities on statistical information like Straus, say in their latest survey that 1925 would be another record-breaking building construction year, accompanied by a condition of general nation-wide prosperity. The prosperity

prevailing in the building industry today undoubtedly will continue indefinitely and there is every indication that a new record of \$6,000,000,000 will be established this year.—*Keith's Magazine*.

There is not a business one can think of, which is not full of little temples where one can curse or pray. Every business that one knows has its host of light in it, fighting against its host of darkness; one set of men

conducting the business as if they and the public were engaged in a sort of mutual enthusiasm and daily service, with permanent success as the goal; and another set of men whose success is ruining the business to which they belong, and the public besides—and themselves.

Don't be discouraged if you make an occasional mistake; if men didn't there wouldn't need to be any claw on a hammer.

The man who starts out with the idea of getting rich won't succeed; you must have a larger ambition. There is no mystery in business success. If you do each day's task successfully, stay faithfully within the natural operations of commercial law, and keep your head clear, you will come out all right.—John D. Rockefeller.

The BUILDERS' GUIDE is in its fortieth year of continuous publication.

The seasonal decline in construction following the summer months promises to be several weeks late this year, according to statistics compiled by the Associated General Contractors of America. After three months, during which all records for building activity were shattered, these figures show no decline in August from the high mark reached in July. Furthermore, the vast number of contracts awarded in July indicates a large amount of construction is yet to be undertaken before the winter months.

The total volume of construction performed in August during the first eight months of 1925 exceeded that of the corresponding period in 1924 by more than six per cent. This fact also is being mustered to indicate the postponement of the seasonal decline this year.

Despite the enormous amount of building under way, the average of construc-

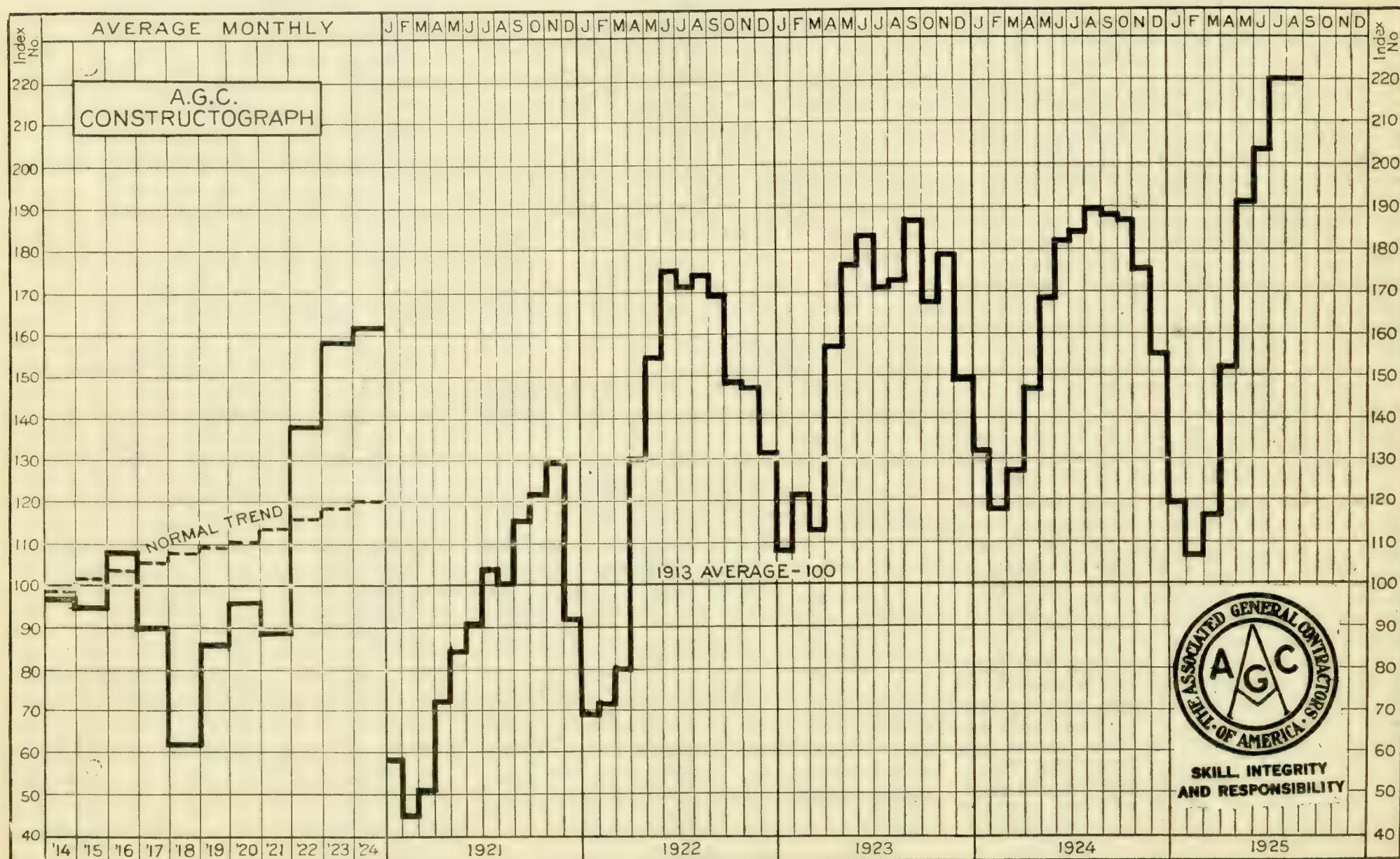
tion costs in the principal construction centers of the United States was lower in August than at any time during the past twenty-eight months, the index figure, based on 1913, showing a drop of three points to 198. During the past two years, fluctuations of this average cost figure have remained within five points, the limits being 200 and 205. Though the August decline is an encouraging sign with respect to costs, it cannot yet be considered as definitely indicating the advent of the long anticipated downward trend.

The volume of contracts awarded during July, while five per cent. less than the total for June, was greater than the figure for any previous July on record. The total volume of contracts awarded during the first seven months of 1925 exceed the volume for the same period in 1924 by eight per cent.

The number of building permits issued in July was six per cent. greater than the June total and sixty-two per cent. greater than the number issued in July, 1924. The figure for the comparative seven-month period shows an increase of eight per cent. over 1924.

The average of wages in the principal construction centers remained the same in August as in July. Prices paid by contractors for construction materials decreased in some cities, the average of prices dropping five points to index number 179, based on 1913.

Awards for concrete surface pavement totalled 12,000,000 square yards in July, with the figure for the first seven months of 1925 exceeding the corresponding total for 1924 by twenty per cent. Awards for pavement of streets and alleys reached the highest mark on record in July.



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October 7, 1925

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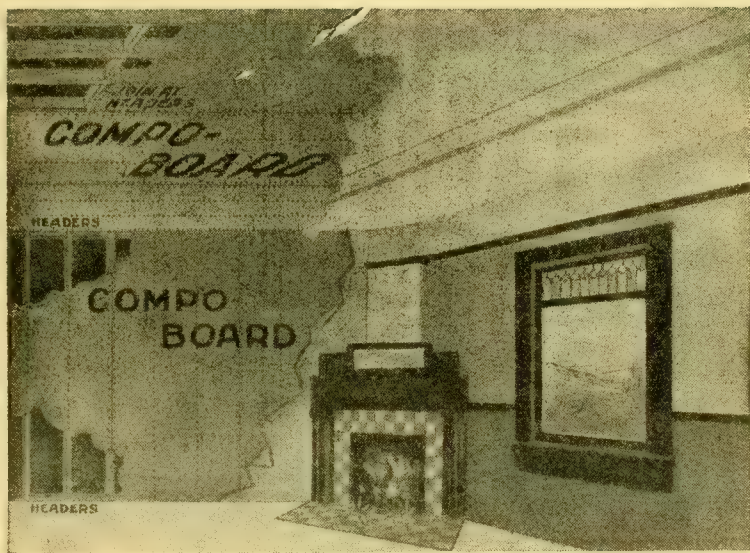
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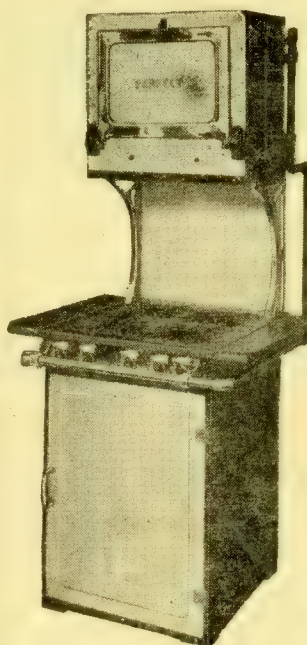
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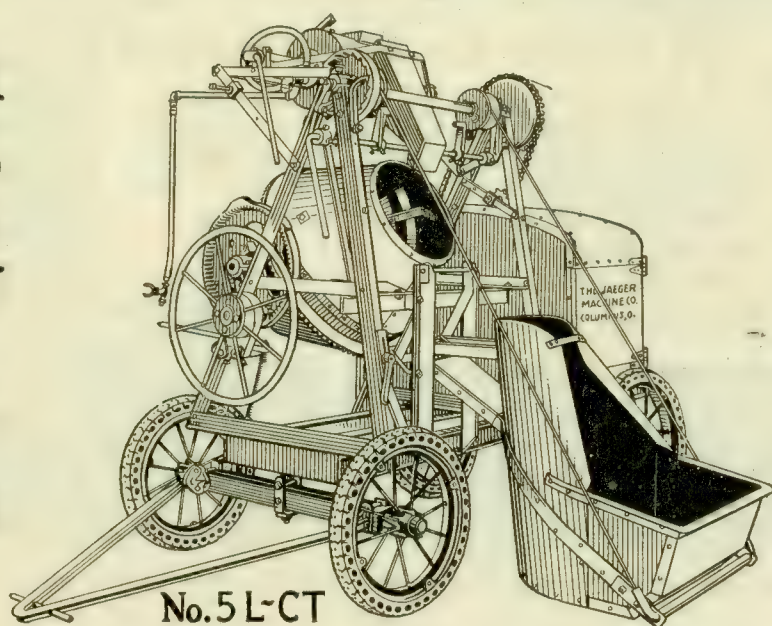
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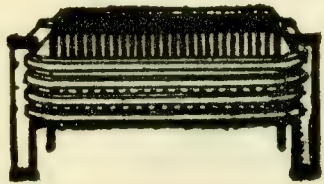
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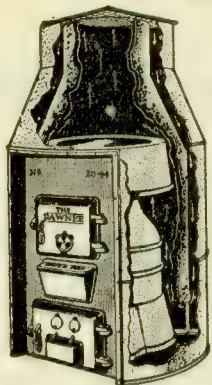
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Engineering and the Building Trades

VOLUME XL
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October 7, 1925

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Girls' Catholic High School, Forty-fifth and Chestnut streets, Philadelphia. Architect, Hoffman Henon, Finance Building, Philadelphia. Owner, Girls' Catholic High School, care of Cardinal Dougherty, 18th and Race Streets, Philadelphia. Stone, brick, steel, 3 stories. Architect taking bids.

Rooming House, Southeast corner Ninth and Pine Streets, Philadelphia, \$12,000. Owner, Harry Kattelman, northwest corner 6th and Pine streets, Philadelphia. General alterations. Permit granted.

Residences (2), 6022-24 Bingham Street, Philadelphia. \$4500 each. Architect, private plans. Owners, Bamberger Bros., 6026 Bingham Street, Philadelphia. Brick, 2 stories, 14x37 feet, 10x10 feet, slag roof, hot water heat, electric light. Permit granted.

Stores and Apartments, Northwest Corner Twelfth and Columbia avenue, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owner, B. Berman, care of architect. Brick, steel, stucco, 3 stories, 18x80 feet, slag roof, hardwood and composition floors, hot water heat, electric light, metal lath, tile and marble work, hollow metal skylights, store fixtures, flush bulks, ornamental iron work, metal ceilings, shoring. Plans in progress.

Bank Building, Chelton and Wistar streets, Philadelphia. Architects, Harris & Richard, Drexel Building, Philadelphia. Owners, Saving Fund of Germantown and Vicinity, Germantown and School lane. Stone, brick, steel. Plans in progress.

Sesqui-Centennial Building, Philadelphia, Pa. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, State of New Jersey, J. F. Margerum, Trenton, N. J. Stone, structural steel, 2½ stories, (2) 35x60 feet, (1) 30x100 feet, slate roof, quarry, tile, stone and hardwood floors, ornamental iron, iron stairs, kitchen equipment, tile and marble,

metal lath, vapor heat, electric light. Plans in progress.

Garage, East Tulpehocken street and Sullivan street, Philadelphia. Architect, Jacob Naschold, 5234 North Second street, Philadelphia. Owner, L. A. Sylvester, Washington and Sullivan streets, Philadelphia. Brick, stone, 1½ stories, 18x30 feet, shingle roof, cement floors, electric light. Plans in progress.

Building (alts.), 2036 Chestnut street, Philadelphia. Architects, Neubauer & Supovitz, 929 Chestnut street, Philadelphia. Owners, Beckman Brothers & Co., on premises. Bond, brick work, cut stone, steel work, tin work, galvanized iron skylights, plastering, marble work, painting, glazing, marble, hardware, plumbing, electric work, controlled heat. Revised plans in progress.

Garage, 611-13 Catherine street, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, Louis Levin, care of Benjamin Soffian, Lincoln Building, Philadelphia. Brick, 1 story, 60x203 feet, gypsum roof, steel truss, cement floors, steam heat, oil burning equipment, electric light, rolled steel sash, flush bulks. Owner taking sub-bids.

Apartment (alts.), Frankford, Philadelphia. Architect, S. D. Milner, 1117 Foulkrod street, Philadelphia. Owner, name withheld. Hot water heat, painting, plumbing, carpentry. Architect taking sub-bids.

Residences (60), Stores (2), Shisler, North of Van Kirk street, Philadelphia. Architect, A. Mueller, 901 Walnut street, Philadelphia. Owner, A. Singer, 37 South Fifty-ninth street, Philadelphia. Brick, 2 stories, 16x43 feet, 17x43 feet, hot water heat, electric light, metal lath, tile work, slag, tin and slate roof, hardwood and cement floors, garages in basement. Owner taking sub-bids.

Stores and Bachelor Apartments, 123-25

South Thirty-ninth street, Philadelphia. Architect, A. Mueller. Engineer, Max Haupt, 901 Walnut street, Philadelphia. Owner, Mrs. N. Levick, care of architect. Brick, steel, 4 stories and basement, 50x92 feet, vapor heat, oil burning equipment, electric light, metal lath, tile and marble work, hollow metal skylights, fire and kalamein doors, slag roof, hardwood and "Tredlite" floors, electric elevators, incinerators, kitchen equipment. Plans completed. Architect and engineer taking sub-bids.

Apartment House, Wayne and Tulpehocken streets, Philadelphia. Architect, Sol. Kaplan, 10 South Eighteenth street, Philadelphia. Owner, L. Benjamin Raidman, Fox Building, Philadelphia. Brick, stone, steel, 4 stories, 44x93 feet, tile roof, vapor heat, electric light, tile and marble work, hollow metal skylights, metal doors, tile roof, hardwood floors, elevator, kitchen equipment. Architect taking sub-bids due as soon as possible.

Store and Apartments (3) and Garage (alts. and add.), 1701 South Second street, Philadelphia. Architect, Benjamin Shulman, 1722 Arch street, Philadelphia. Owner, name withheld. Brick, 3 stories, add. 1 and 2 stories, 20x16 feet, tin and concrete roof, pine and cement floors, interior partitions, metal ceilings and walls (heating and plumbing separate), electric light. Plans completed. Architect ready for general bids.

Swimming Pools (2), East Falls, and Moyer and Susquehanna streets. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Department of Public Works, Bureau of Recreation, Philadelphia. Ready for bids in two weeks.

Nurses' Home (alts.), Front and Lehigh avenue, Philadelphia. Architects, Stewardson & Page, 315 South Fifteenth street, Philadelphia. Owners, Protestant Episcopal Hospital, on premises. Brick, reinforced concrete,

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stone, steel, 4 stories and basement, 40x48 feet, Barrett Specification roof, maple and cement floors, hollow tile, plumbing, metal ceilings, architectural terra cotta, brass pipe, ornamental iron work, bond, hollow metal doors, tile and marble, metal lath. Architects taking bids due October 9th before 2 P. M.

John Marshall Hotel, Sixteenth and Calowhill streets, Philadelphia. Architect, Benjamin Shulman, 1622 Arch street, Philadelphia. Owner, name withheld. Steam heat, electric light, carpentry and mill work, pine and oak floors, elevators, plumbing, plastering, painting and glazing. Architect taking bids due as soon as possible.

Y. M. C. A. Building (add.), 1421-26 Arch street, Philadelphia. Architects, Bureau of Architecture of Y. M. C. A., Mr. Reinking, on premises. Owners, Y. M. C. A., J. K. Steele, president, on premises. Brick, steel, seventh floors, 134x21 feet, slag roof, cement floors, metal lath, terrazzo and marble work, hollow metal sash, galvanized iron skylight, hollow metal doors, bond, iron stairs, ornamental iron work, architectural terra cotta, bluestone, mail chute (waterproofing, weather stripping, hardware, painting and glazing, except when called for in specifications, electric work, heating, plumbing reserved). Architects taking revised bids due as soon as possible.

Oak Lane Pumping Station, Oak Lane, Philadelphia. Owners, Department of Public Welfare, Bureau of Water, Philadelphia. Owners taking bids due October 13th. Brick, steel, 1 story, 38x37 feet, Barrett Specification cement floors, painting, rolled steel skylights, kalamein doors, bond, architectural terra cotta.

Wading Pool and Shelter, Fiftieth and Chester avenue, Philadelphia. City architect, John Molitor, Bankers' Trust Building, Philadelphia. Owners, Department of Public Welfare, Bureau of Recreation, Philadelphia. Excavation, grading, concrete and cement work, integral waterproofing, cement floors, steel and iron work, iron fence, water supply and drainage, carpentry and mill work, Barrett Specification roof, painting, 50x34 feet, bond. Owners taking bids due October 13th.

Garage, 533 West Arbutus street, Germantown, Philadelphia. Architect, Louis S. Adams, Radnor road, Radnor, Pa. Owner, Daniel Badger, Jr., on premises. Stone, 1 story, 24x19 feet, slate roof, cement floors, electric light, painting and glazing, hardware, plumbing. Architect taking bids due as soon as possible.

Brood House, Byberry, Pa. Owners, Bureau of Hospitals, Department of Public Health, 584 City Hall. Construction of brood house, sash and door enclosures, wire screens. Owners taking bids due October 13th at noon.

Residences (2), Overbrook, Philadelphia. Architect, J. E. Lowry, Land Title Building, Philadelphia. Owners, Cashman & Gallagher, Overbrook, Pa. Stone, hollow tile and stucco, 2½ stories, 40x65 feet, slate roof, hardwood floors, electric light, tile and marble work. Architect taking bids due as soon as possible.

Residences (35), North side Belmore terrace, West of Sixty-fifth street, Philadelphia. Architect, private plans. Owners, Local Build-

ing Co., Harrison Building, Philadelphia. Brick, 2 stories, 16x52 feet, slag roof, oak and pine floors, hot water heat, electric light, tile work. Plans in progress. Owners ready for sub-bids in about six weeks.

Manufacturing Building (alts.), 530 Arch street, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, name withheld. Brick, 5 stories, general interior alterations, vapor vacuum heat, oil burning equipment, electric light, pine floors, oil burning, stair work. Plans in progress. Architect will take general bids.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Water, 216 City Hall. Owners taking bids due October 13th at noon. Contract 775, construction of Oak Lane Pumping Station. Contract 776, furnish and install pumps and piping in Oak Lane Pumping Station. Contract 777, furnish and deliver binders, printed forms, etc., for water rent duplicates. Contract 778, construction of intake conduit at Torresdale Pumping Station. Certified check 5 per cent. of bids. Inquire Room 788, City Hall.

Gymnasium (add.), 7134 Elmwood avenue, Philadelphia, \$15,000. Architect, private plans. Owners, West Philadelphia Turn & Shire Verein, on premises. Brick, 1 story add., 40 feet 3 inches x 64 feet. Permit granted.

Manufacturing Building (alts.), Southeast Corner Germantown and Allegheny avenues, Philadelphia, \$10,000. Architect, private plans. Owners, Air Reduction Co., on premises. General alterations. Permit granted.

Residences (2), East side Rising Sun avenue, South of Clarkson street, \$5,500. Architect, private plans. Owner, Alfred H. King, 2851 North Marshall street, Philadelphia. Brick, 2 stories, 18x38 feet 6 inches, hardwood and pine floors, electric light. Permit granted.

Residence, North side Queen street, East of Henry avenue, Philadelphia, \$13,000. Architect, private plans. Owners, Carson Brothers, 5601 Germantown avenue, Philadelphia. Brick, 2 stories, 21x15 feet, 30x24 feet, hardwood and pine floors, hot water heat, electric light. Permit granted.

Store and Residence, East side Second street, North of Louden street, \$8,000. Architect, private plans. Owner, Joseph McMahon, 4844 Roosevelt Boulevard, Philadelphia. Brick, 2 stories, 30x46 feet 3 inches, hot water heat, electric light, slag roof. Permit granted.

Residences (2), 421-23 East Godfrey street, Philadelphia, \$5,000 each. Architect, private plans. Owners, Shoemaker Brothers, 5726 North Mascher street, Philadelphia. Brick, 3 stories, 16x53 feet, hardwood and pine floors, hot water heat, electric light. Permit granted.

Store and Apartment (alts.), 3614 Walnut street, Philadelphia, \$3,500. Architect, private plans. Owner, V. Artyeronian, 6031 Chestnut street, Philadelphia. General alterations. Permit granted.

Residences (2), Southwest Corner Eighty-fourth street and Avenue F, \$3,500 each. Architect, private plans. Owner, Andrew Augustine, Jr., 8521 Guyens avenue, Philadelphia. Brick, 2 stories, 16x30 feet, slag roof, pine

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floors, hot water heat, electric light. Permit granted.

Garage, 4017-27 Ludlow street, Philadelphia, \$50,000. Architect, private plans. Owner, Albert A. Shatten, 410 Liberty Building, Philadelphia. Brick, 2 stories, 100x128 feet, slag roof, cement floors, electric lighting. Permit granted.

Residences (10), Argyle street, Oakley street and Robbins avenue, Philadelphia, \$4,000 each. Architect, private plans. Owners, Philip Ritter & Son, 460 West Lehigh avenue, Philadelphia. Brick, 2 stories, 15x28 feet 8 inches, 13x16 feet 4 inches, slag roof, pine floors, hot water heat, electric light. Permit granted.

Shops (2) (add.), 170 feet West of G street, North of Venango street, Philadelphia, \$10,000. Architect, private plans. Owners, N. W. Baker & Co., G and Venango streets, Philadelphia. Steel, 1 story add., 66x41 feet 2 inches. Permit granted.

Residences (2), 3300-02 West Penn street, Philadelphia, \$9,500 each. Architect, private plans. Owner, M. J. McCrudden, 1134 Real Estate Trust Building, Philadelphia. Brick, 3 stories, 20x19 feet, 24x15 feet, hot water heat, electric light, hardwood and pine floors. Permit granted.

Apartment House, 3943 Locust street, Philadelphia, \$30,000. Architect, private plans. Owner, William T. Harris, 3944 Chestnut street, Philadelphia. Brick, 3 stories, 32 x irregular and 24x64 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Apartment (add.), 214 South Forty-first street, Philadelphia, \$6,000. Architect, private plans. Owner, S. S. Silverman, 803 Land Title Building, Philadelphia. Brick, 2 stories add., front 21x15 feet, rear 15x10 feet. Permit granted.

Residences (4), North side Northumberland street, South of Cottman, \$5,600 each. Architect, private plans. Owner, H. Smith, 1016 Cottman street, Philadelphia. Brick, 2 stories, 16x50 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residence, 316 East Price street, Philadelphia, \$5,000. Architect, private plans. Owner, Dominick Mercaldo, on premises. Brick, 2 stories, 16x17 feet, 20x14 feet, hot water heat, electric light. Permit granted.

Residences (8), East side Fifth street, North of Nedro avenue, \$4,500 each. Architect, private plans. Owner, H. B. Freedman, 4831 North Twelfth street, Philadelphia. Brick, 2 stories, 16x55 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residences (165), Orthodox, Sellers and Gillingham streets, Philadelphia, \$698,000. Ar-

chitect, private plans. Owner, Samuel Shoemaker, 1215 Franklin Trust Building, Philadelphia. Brick, 2 stories, (160) 15x31 feet, 12x8 feet, (5) 16x42 feet, slag roof, hot water heat, electric light. Permit granted. Work about to start.

Residences (50), Sixty-fifth and Dicks avenue, Philadelphia, \$298,000. Architect, private plans. Owners, Gillingham & Haynes, 5213 Chestnut street, Philadelphia. Brick, 2 stories, 16x31 feet and 18x46 feet, hot water heat, electric light, hardwood and pine floors. Permit granted.

Residences (15), Eastburn avenue and Gerry street, Philadelphia, \$80,500. Architect, private plans. Owners, Holloway & Miller, 4713 North Broad street, Philadelphia. Brick, 2 stories, various sizes, hot water heat, electric light, hardwood and pine floors. Permit granted.

Residences (2), 3040-42 Tilton street, Philadelphia, \$5,000 each. Architect, private plans. Owner, William B. Scull, Jr., 3033 Salmon

street, Philadelphia. Brick, 2 stories, 14x24 feet, 6x8 feet, hot water heat, electric light. Permit granted.

Residences (3), Dittman and Grant avenue, Philadelphia, \$5,000 each. Architect, private plans. Owners, L. T. Safford Co., 7940 Frankford avenue, Philadelphia. Frame, 3 stories, 38x28 feet, steam heat, electric light. Permit granted.

Residences (7), North side Franklin street, East of Bingham, \$4,000 each. Architect, private plans. Owner, Frank A. Addin, 6556 Martin's Mill road, Philadelphia. Brick, 2 stories, 15x30 feet, 12x10 feet, hot water heat, electric light, slag roof, pine floors. Permit granted.

Residences (10), Olney avenue, West of Clarkson avenue, \$34,700. Architect, private plans. Owner, Morris J. Levin, 604 Levick street, Philadelphia. Brick, 2 stories, (9) 15x28 feet, 12x10 feet, (1) 18x16 feet, 12x22 feet, hot water heat, electric light, slag roof, pine floors. Permit granted.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence, (alts. and add.), 321 South 17th Street, Philadelphia. Architect, Wm. F. B. Koelle, Otis Building, Philadelphia. Owner, Mr. and Mrs. Jerome Bennett, on premises. Bond, stone, brick, structural steel, carpentry and millwork, slag roof, hardware metal lath, plastering, painting and glazing, electric work, plumbing. Contract awarded C. C. Eddleman, 1627 Sansom Street, Philadelphia.

Stores and Apartments, Twelfth and Columbia Ave., Philadelphia. Architect, Williams L. Charr, Victory Building, Philadelphia. Owner, B. Berman, care of Architect. Brick, steel, stucco, 3 stories, 18x80 feet, slag roof, hardwood and composition floors, hot water heat, electric light, metal lath, tile and marble work, hollow metal skylights, store fixtures, flush bulks, ornamental iron work, metal ceilings, shoring. Contract, awarded Daniel Josephson, 5404 Walnut St., Philadelphia.

Store and Residence (add.), 1028 Locust street, Philadelphia, \$5,000. Architect, private plans. Owner, Grigorios-Kootsouas, 1028 Locust street, Philadelphia. Brick, 3 story addition, 15x27 feet, 13x27 feet, slag roof, pine floors, electric light. Contract

awarded to A. D. Nusias, 5928 Chancellor St., Philadelphia.

Stores (alts.), 830 Arch street, Philadelphia, \$4,000. Architect, private plans. Owner, Harry B. Lewis, 702 Arch Street, Philadelphia. General alterations. Contract awarded to David F. Woodoff, 243 Race St., Philadelphia.

Building (add.), 5507 Chester Avenue, Philadelphia, \$3,100. Architect, private plans. Owner, K. Ellis, 419 Arch street, Philadelphia. Brick, 1 story addition, 15 feet 6 inches x 6 feet. Contract awarded to Fred Gitterman, 3437 Ridge Avenue, Philadelphia.

Store (add.), Southeast corner Germantown Avenue and Evergreen street, \$3,000. Architect, private plans. Owner, J. J. McGlone, 8523 Germantown Avenue, Philadelphia. Brick, 1 story addition, 16 feet x 16 feet 6 inches. Contract awarded to Melvin H. Grebe, 5 East Highland Avenue, Chestnut Hill, Phila.

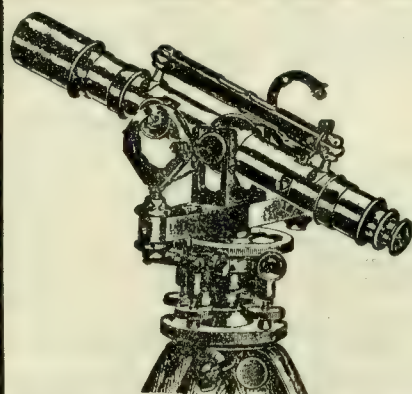
Chapel, City avenue and Haverford road, Overbrook, Pa. Architect, Paul A. Monaghan, 1713 Sansom street, Philadelphia. Owners, Sacred Heart Academy, on premises. Stone, granite, limestone, brick, steel, 2 stories and mezzanine and basement, 123x104 feet, slate, slag roof, cement and oak floors, painting and

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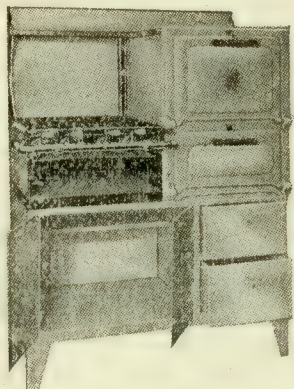
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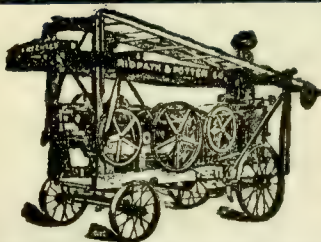
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glazing, metal lath, tile and marble work, hollow metal sash, tin clad doors, bond, iron stairs, ornamental iron work, flagstone, integral waterproofing. Contract awarded Doyle & Co., 1519 Sansom street, Philadelphia.

Residence and Garage, West Gowen avenue, Chestnut Hill, Pa. Architects, Walter T. Karcher and Livingston Smith, 34 South Seventeenth street, Philadelphia. Owner, Morris Llewellyn Cooke, care of architect. Stone, brick, 2½ stories, 56x32 feet, variegated slate roof, oak and pine floors, plumbing, waterproofing, flagstone, metal casement, sash and doors, wrought iron pipe, ornamental iron, bond, tile work, hot water heat, electric light. Contract awarded McNeill Const. Co., 1505 Race street, Philadelphia.

Apartment House, Northwest Corner Emelen and Lincoln Drive, Philadelphia. Architect, Charles E. Oelschlager, 1615 Walnut street, Philadelphia. Owner, name withheld. Brick, steel, slow burning, 4 stories, 28 apartments, vapor heat, electric light and telephone, oil burning equipment, tile and marble work, slag roof, hardwood and tile floors, electric elevators, refrigeration, fire doors and fire tower. Contract awarded E. J. Kreitzburg, 1333 Arch street, Philadelphia.

Store and Residence and Apartments, Rising Sun and Cottman street, Philadelphia. Architect, Jacob Naschold, 5234 North Second street, Philadelphia. Owner, Isaac Matz, Haines and Morton street, Philadelphia. Brick, copper, cut stone, tile work, 1 story and basement, 52x30 feet, plumbing, hot water heat, electric light, slag roof, maple floors, general alterations, metal lath. Contract awarded David Sloan, 4763 North Eighth street, Philadelphia.

Rectory (fire restoration), Green and Logan streets, Germantown, Philadelphia. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owners, St. Francis of Assisi, Rev. J. D. Nevin, on premises. General restoration. Preliminary plans in progress. Contractor, D. W. O'Dea, 420 Duncannon street, Philadelphia, will be ready for sub-bids in three weeks.

Bank (alts.), 709-11 Chestnut street, Philadelphia. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, National Bank of Commerce, 709-11 Chestnut street, Philadelphia. Reinforced concrete work, iron work, ornamental bronze work, carpentry and mill work, metal lath, plastering, marble, tile and terrazzo work, hardware, painting, electric light, plumbing, steam heating. Contract awarded Wark Co., 1600 Walnut street, Philadelphia, without competition.

Bank, Thirty-sixth and Walnut streets, Philadelphia. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, West Philadelphia Title & Trust Co., Fortieth and Lancaster avenue, Philadelphia. Brick, steel, limestone, 6 stories. Too early for details. Contract awarded Metzger, Fisher & White, Otis Building, Philadelphia, without competition.

Garage, 806 Callowhill street, Philadelphia. Architect, private plans. Owners, Cassoy & Huskey, Howard and Columbia avenue, Philadelphia. Brick, steel; 2 stories, 60x130 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash, ornamental iron work. Contract awarded Harry Brocklehurst, 512 West Norris street, Philadelphia.

Office Building, Twelfth and Christian streets, Philadelphia. Architect, Benjamin Shulman, 1722 Arch street, Philadelphia. Owner, Basil Baldino, on premises. Brick, steel, 3 stories, 17x35 feet, slag roof, oak and pine floors, tile work. Contract awarded Thomas Bressi, 744 South Sixth street, Philadelphia.

Garage, 6024-26 Larchwood avenue, Philadelphia. Architect, private plans. Owner, name withheld. Brick, steel, 2 stories and basement, 60x115 feet, steam heat, electric light, rolled steel sash and skylights, elevators, oil burners, slag roof, cement floors. Contract awarded Frederick A. Neithamer, 4037 Walnut street, Philadelphia, who is taking sub-bids.

Stores and Apartments, 4207-09 Lancaster avenue, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owner, J. N. Gold, care of architect. Brick, steel, 2 stories and basement, steam heat, electric light, tile work, slag roof, oak and pine floors. Contract awarded Girard Const. Co., Southeast Corner Thirty-eighth and Poplar streets.

New Front, 217 South Broad street, Philadelphia, \$5,000. Architect, J. Wilbur Thompson, 703 South Sixtieth street, Philadelphia. Owner, Leo I. Conway, on premises. Plate glass, painting, plastering, carpentry and mill work. Contract awarded Murphy-Quigley Co., 1524 Sansom street, Philadelphia.

Grain Elevator, Port Richmond, Philadelphia. Engineers, Gegels Const. Co., Minneapolis, Minn. Owners, Philadelphia & Reading Railway, care of S. T. Wagner, Twelfth and Market street, Philadelphia. Reinforced concrete steel, capacity 2,500,000 bushels. Contract awarded M. A. Long, Baltimore, Md.

Stores and Offices (alts.), Southeast Corner Eighth and Market streets, \$20,000. Architects, Silverman & Levy, Elrae Building, Philadelphia. Owner, Charles Ulin, care of architects. Plumbing, sheet metal work, leaded glass, electric light, brick, stucco, oak floors, metal lath, tile and marble, rolled steel sky-

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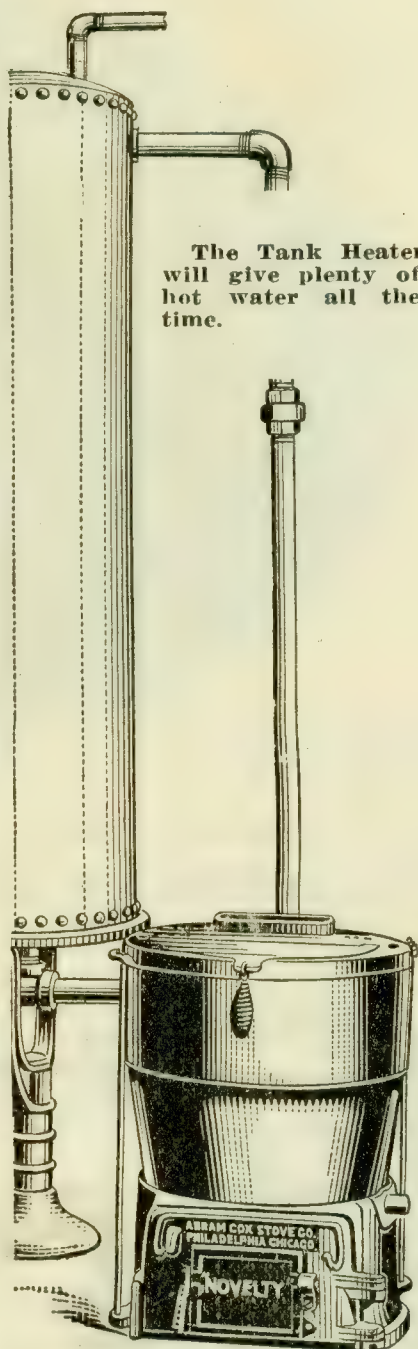
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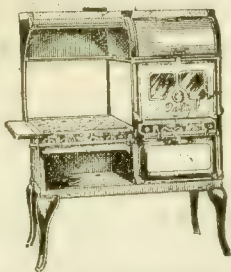
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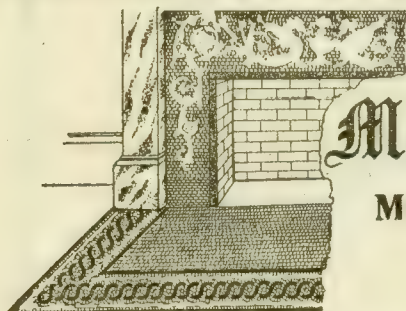


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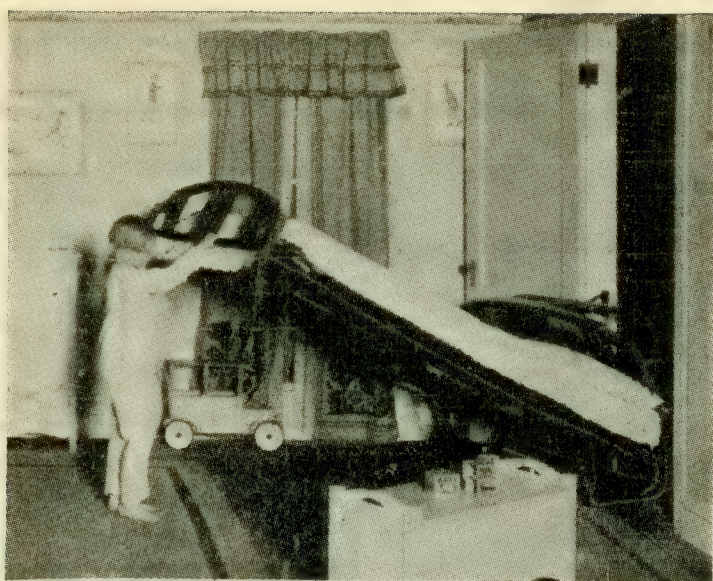
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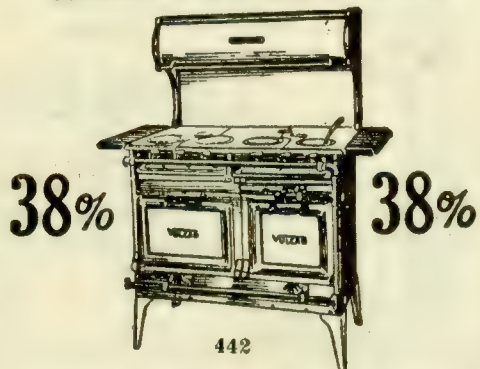
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lights, kalamein doors, copper bulk windows, cement and concrete work (heating reserved). Contract awarded to J. L. Fawley, 1615 Spruce street, Philadelphia.

Residence, Northwest Corner Hancock and Green streets, Philadelphia, \$18,000. Architects, Silverman & Levy, Elrae Building, Philadelphia. Owner, S. K. Allman, Finance Building, Philadelphia. Brick, 2 stories, 32x30 feet, 22x28 feet, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to S. H. Levin, 1631 South Fifth street, Philadelphia.

Store and Residence (alts.), 927 Spring Garden street, \$5,000. **Residence**, Northeast Corner New Market and Spring Garden streets, \$12,500. **Residences (2)**, 131-33 Spring Garden street, Philadelphia, \$10,000 each. Architects, Silverman & Levy, Elrae Building, Philadelphia. Owner, S. K. Allman, Finance Building, Philadelphia. General alterations to store and residence. Brick, 3 stories, (1) 20x63 feet, (2) 20x55 feet, 15x30 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded to S. H. Levin, 1631 South Fifth street, Philadelphia.

The Shelton Hotel, 1709-15 Locust to 1708-14 Chancellor street. Architect, Arthur L. Harmon, 19 West Forty-fourth street, New York City. Owners, Philadelphia Shelton Corporation, care of N. J. Taube, Inc., Northeast Corner Eighteenth and Chestnut streets. Stone, brick, steel, concrete, 20 stories, 625 rooms, slag roof, hardwood and composition floors, elevators, safety treads, steam heat, electric light, tile, marble and terrazzo work, rolled steel sash, hollow metal skylights, ornamental iron work, terra cotta. Contract awarded Barras Const. Co., 366 Madison avenue, New York.

Building (alts.), Northwest Corner Broad and Green streets, Philadelphia. Architect, private plans. Owners, Jawer Auto Supply Co., on premises. Carpentry and mill work, painting and glazing, hardware, iron work. Contract awarded Ketcum & McQuade, 1029 Brown street, Philadelphia.

Service Building (alts. and add.), 251 North Broad street, Philadelphia. Architect, P. S. Tyre, 1505 Arch street, Philadelphia. Owners, Studebaker Sales Co., on premises. Contract awarded Mitchell Brothers, 2125 Race street, Philadelphia.

Factory, Southeast Corner Forty-ninth and Folsom streets, Philadelphia, \$12,400. Architect, private plans. Owner, John Yaldezian, on premises. Brick, 1 story, 40x83 feet, slag roof, pine floors, electric work. Contract awarded to Harry Devletian, 5948 Walnut street, Philadelphia.

Dye House (add.), Trenton avenue, South of Allegheny avenue, \$7,500. Owners, Brehm & Stehle, on premises. Brick, 1 story add., 47 feet 6 inches x 52 feet 7½ inches. Contract awarded to George H. Thirsk, 4305 Horrocks street, Philadelphia.

Shop, West side Keyser street, South of Logan street, Philadelphia, \$6,000. Architect, private plans. Owner, Joseph Rose, Logan and Keyser streets, Philadelphia. Brick, 1

story, 20 feet 5 inches x 110 feet, irregular, slag roof. Contract awarded to Chaitt Co., Inc., 2834 Glenwood avenue.

Mill (add.), Southwest Corner Walnut lane and Main street, Philadelphia, \$4,000. Architect, private plans. Owners, Sykes Bros., Inc., on premises. Brick, 2 stories add., 19x19 feet. Contract awarded to H. F. Brown, 6127 Ridge avenue, Philadelphia.

Residences (4), West side F street, South of Solly street, \$3,500. Architect, private plans. Owner, J. A. Bacher, 7862 Oxford pike, Philadelphia. Brick, 2 stories, 15x29 feet, 15x7 feet, slag roof, pine floors, hot air heat, electric light. Contract awarded to H. W. Myers, 638 Solly street, Philadelphia.

Residence (add.), 6455 Morton street, Philadelphia, \$3,000. Architect, private plans. Owner, Robert L. Parkinson, on premises. Brick, 2 stories add., 16x6 feet. Contract awarded to S. W. Kitzelman, 125 East Upsal street, Philadelphia.

Theatre (alts.), Southwest Corner Forty-fifth and Market streets, Philadelphia, \$2,500. Owners, Stanley Company of America, 1916 Race street, Philadelphia. General alterations. Contract awarded to Louis B. Goff, Twenty-fifth and Snyder avenue, Philadelphia.

Hall, 310-12 Carpenter street, Philadelphia, \$30,000. Architect, private plans. Owner, Markus Masters, 916 North Franklin street, Philadelphia. Brick, 3 stories, 39x41 feet, 44x52 feet, steam heat, electric light. Contract awarded to Charles Schlachman, 2334 North Twentieth street, Philadelphia.

Building (alts.), 1713 Snyder avenue, Philadelphia, \$7,000. Owner, S. Brasowsky, on premises. General alterations. Contract awarded to David Ressnock, 1710 North Lindenwood avenue.

Residences (5), 7106-08-10-12-14 Gray's avenue, Philadelphia, \$4,500 each. Architect, private plans. Owner, John T. Jefferson, 7116 Gray's avenue, Philadelphia. Brick, 2 stories, 16 feet 4 inches x 32 feet, slag roof, pine floors, electric lighting. Contract awarded to R. W. Burleigh, 28 Madison avenue, Highland Park, Pa.

Store and Residence (alts.), 310 North Ninth street, Philadelphia, \$2,700. Architect, private plans. Owner, Edward Eylicee, 632 Race street, Philadelphia. General alterations. Contract awarded to Jacob Sklar & Son, 1613 North Thirteenth street.

Residence (alts. and add.), Northeast Corner Twenty-ninth and Thompson streets, \$2,400. Architect, private plans. Owner, Dr. C. B. Addie, on premises. Brick, second story add., 8x17 feet, general alterations. Contract awarded to P. Haibach-Cont. Co., 1261 North Twenty-sixth street.

Store (alts.), rear 2229 West Columbia avenue, Philadelphia, \$2,000. Architect, private plans. Owners, Pennsylvania Company, Southeast Corner Fifteenth and Chestnut streets, Philadelphia. General alterations. Contract awarded to Frank G. English, 1606 North Carlisle street.

Store and Residence (alts.), Southwest Cor-

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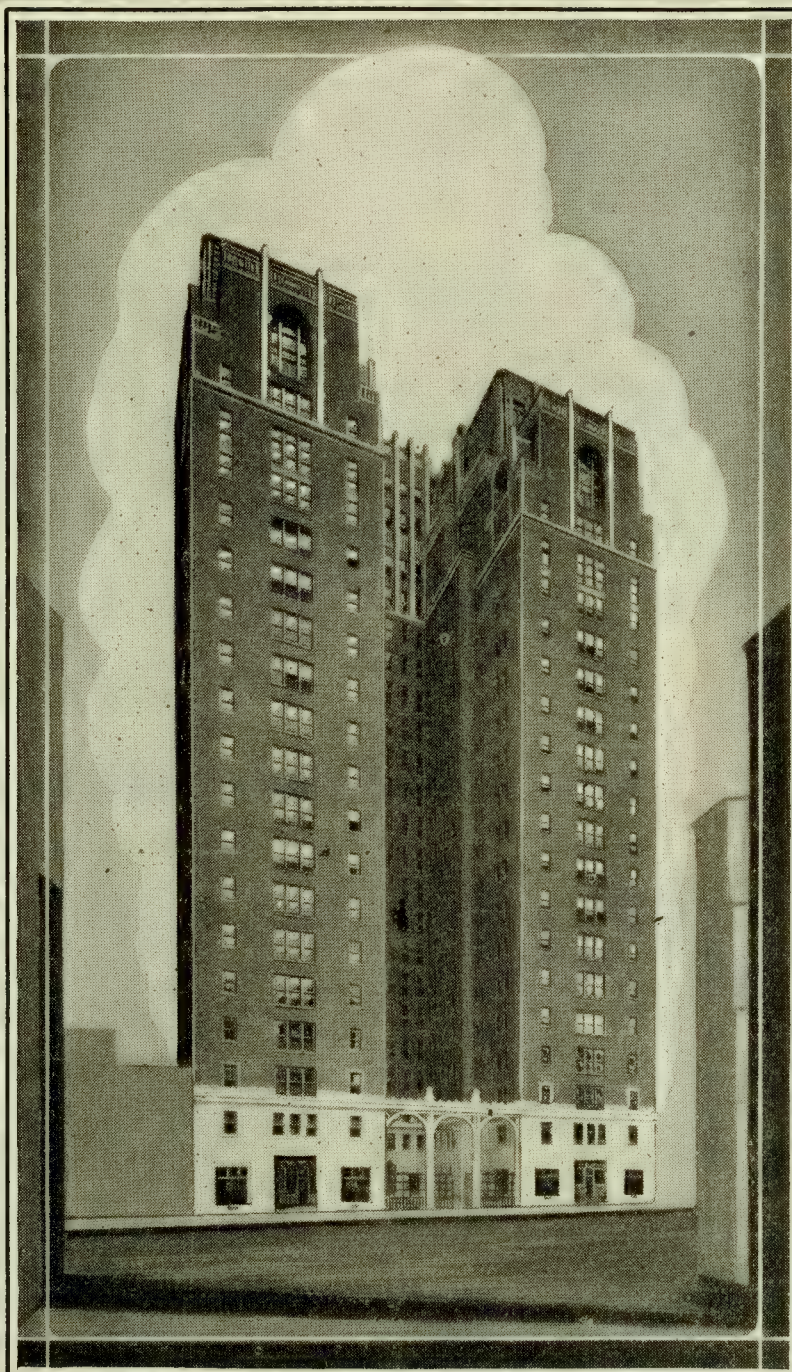
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ner Twenty-ninth and Girard avenue, \$2,000. Architect, private plans. Owner, William Vanneman, on premises. General alterations. Contract awarded to Frank I. Wintz, Inc., 1618 North Twenty-seventh street.

Store and Storage (add. and alts.), Southwest Corner Oxford and Clarion streets, \$5,500. Architect, private plans. Owner, Joseph Maguire, 2051 West Somerset street, Philadelphia. Brick, 3 stories add., 14x16 feet, general alterations. Contract awarded to J. S. Alahaverde, 2625 North Jessup street, Philadelphia.

Residences (2), West side Northumberland street, South of Cottman street, \$5,000 each. Architect, private plans. Owners, Peter Binder and Nick Poth, 7319 Rising Sun avenue, Philadelphia. Brick, 2 stories, 15x45 feet,

slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to E. Fred Kemmer, 1223 Cottman street, Philadelphia.

Church (repairs), Northwest Corner Fifteenth and Belfield avenue, \$3,600. Owners, Belfield Avenue Evangelical Church, on premises. General fire repairs. Contract awarded to A. Raymond Raff Cont. Co., 1635 West Thompson street.

Residence (add. and alts.), 756 South Mildred street, Philadelphia, \$2,460. Architect, private plans. Owner, Angelina Caropovee, on premises. Brick, 3 stories add., 14x10 feet, general alterations. Contract awarded to N. Atlarilli, 726 Fulton street, Philadelphia.

Store and Residence, 2952 Richmond street, Philadelphia, \$2,300. Architect, private plans. Owner, Anthony Tanski, on premises. Brick, 2 stories add., 4x12 feet, general alterations. Contract awarded to Alex. Redwanoski, 3027 Chatham street, Philadelphia.

Stores and Residences (2) (alts.), 4207-09

Lancaster avenue, \$4,000 total. Architect, private plans. Owner, J. Gold, 208 North Broad street, Philadelphia. General alterations, new heating. Contract awarded to General Realty Cont. Co., Thirty-eighth and Poplar streets.

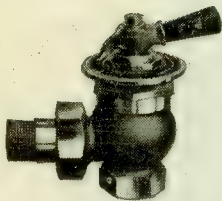
Office (alts.), 725 Walnut street, Philadelphia, \$3,400. Architect, private plans. Owners, Kaplan & Vehr, Jefferson Building, Philadelphia. General alterations. Contract awarded to William Gilchrist, 3516 B street, Philadelphia.

Residence (add.), 2678 Bridge street, Philadelphia, \$3,000. Architect, private plans. Owner, Paul Boreylso, on premises. Brick, 2 stories, 17x29 feet. Contract awarded to H. T. Karney Co., 4182 Paul street, Philadelphia.

Garage, 400 East Mt. Airy avenue, Philadelphia, \$3,000. Architect, private plans. Owner, A. G. Pollan, on premises. Stone, 1 story, 20x20 feet, cement floors, electric light. Contract awarded to Charles Johnson, 450 Church lane, Philadelphia.

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Factory Building, Sinking Springs, Pa. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owner, H. A. Anthony Co., Sinking Springs, Pa. Brick, steel, concrete, 1 story, 90x110 feet, asphalt roof, cement floors, plumbing, steam heat, electric light, rolled steel sash, addition to building 1 story and basement 28x20 feet, Heater House, 1 story, 27x24 feet. Architect taking bids due Oct. 8th.

Hotel, Allentown, Pa. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, Hotel Found Corporation, John Bowen, Allentown, Pa. Plans nearly completed.

Exchange Building, Llanerch, Pa. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Company of Pennsylvania, Seventeenth and Arch streets, Philadelphia. Brick, steel, stone, 2 stories and basement, steam heat, electric light, slag roof. Plans in progress.

Fraternity House, State College, Pa., \$25,000. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Alpha Sigma Phi, State College, Pa. Brick, stone, 3 stories. Preliminary sketches being drawn. Too early for details.

Residence (alts. and add.), Paoli, Pa. Architect, R. Brognard Okie, 308 South Smedley street, Philadelphia. Owner, Richard Haughton, Paoli, Pa. Stone, frame, 2½ stories, 25x50 feet. Plans in progress.

Show Room and Service Station, Jenkintown, Pa. Architect, John T. Brugger, 505 Chestnut street, Philadelphia. Owners, Roger Motor Co., Jenkintown, Pa. Brick, steel, concrete, 1 story and mezzanine, 121x40 feet, slag and cement roof, electric light, rolled steel sash. Plans in progress.

Garage and Apartments, Catherine street, Shenandoah, Pa. Architect, J. B. Thompson,

34 South Seventeenth street, Philadelphia. Owner, Joseph Hubert, Shenandoah, Pa. Brick, steel, frame, 3 stories, 30x30 feet, built-up roof, plumbing, steam heat, electric light, tile work. Plans in progress.

Store and Apartment, Conestoga and Garrett road, Rosemont, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, name withheld. Stone, brick, stucco, 2½ stories, 18x80 feet, hot water heat, electric light, tile work, slate roof, hardwood floors, flush bulks. Plans about completed. Architect will be ready for general bids in two weeks.

Theatre, Stores (6), Offices (8), Bryn Mawr, Pa. Architect, William H. Lee, 1505 Race street, Philadelphia. Owner, Philip Harrison, 828 Lancaster avenue, Bryn Mawr, Pa. Brick, concrete, steel, 2 stories, 60x187 feet, slag roof, tile and terrazzo floors, roof ventilators, architectural terra cotta, fire doors, tile and terrazzo work, electric light, steam heat. Owner is sub-letting.

Warehouse, South street, Pottstown, Pa. Architect, Otto C. Herold, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading Railway, Twelfth and Market streets, Philadelphia. Brick, concrete, steel, 3 stories. Plans about completed. Will be ready for bids in ten days.

Club House, Marple, Springfield Township, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Rolling Green Golf Course, Chester, Pa. Brick, 2 stories. Plans about completed. Architects will be ready for bids in a few days.

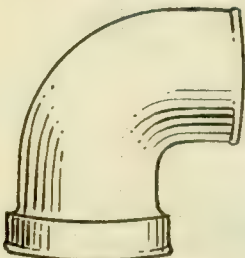
Residence and Garages (2), Beachwood Park, Wyncote, Pa. Architect, private plans. Owners, C. S. and R. C. Martin, North Glenside, Pa. Brick, frame and stucco. Frame, 2½ stories, 26x37 feet each, hot water heat, electric light, tile work, shingle roof, hardwood and pine floors. Owners will build.

Residence, Haverford, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, Mrs. Clara R. B. Walton, Haverford, Pa. Stone, 2½ stories. Architects ready for bids in one week.

Stores (8), Apartments (6), State and Orange road, Media, Pa., \$150,000. Owners, Salason & Freed, Franklin Bank Building, Philadelphia. Brick, terra cotta, 5 stories, 75x125 feet, slag roof, hardwood floors, steam heat, electric light, tile and marble work. Owners will build and will take sub-bids.

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Brookline, Pa. Owners, School District of Haverford Township, H. H. Fairbanks, secretary, Upper Darby, Pa. Owners taking bids due October 9th at noon.

Residences (4), Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown. Owners, Peters & Boyer, Allentown, Pa. Frame, 2 stories, 20x40 feet, asbestos shingle and slate roof, hardwood floors, hot water heat, electric light. Owners will build.

Residence, Rosemont, Bethlehem, Pa. Architect, H. J. Weigner, Bethlehem Trust Building, Bethlehem. Owner, George Erwin, Bethlehem, Pa. Brick, 2½ stories, irregular size, shingle roof, hardwood floors, vapor vacuum heat, electric light, tile work. Architect taking bids.

Almshouse, Westcoesville, Pa. Architect, David Levy, 949 Hamilton street, Allentown, Pa. Owners, Lehigh County, Mr. Seiger, Court House, Allentown, Pa. Ready for bids.

John S. Sell Memorial Chapel, Elizabethtown, Pa. Architect, Edgar A. Wightman, Bankers' Trust Building, Philadelphia. Owners, Masonic Homes, Elizabethtown, Pa., care of James Leslie, superintendent. Stone (Holmesburg granite), steel, cut stone, 1 and 2 stories and basement, 88x52 feet, variegated slate roof, cement and maple floors, painting, Truscon waterproofing, ornamental iron work, floor hardener, bond, rolled steel sash, tile work, metal lath, reinforced concrete (Holmesburg granite, plumbing, heating, electric, glazing, chimes, organ and seating reserved). Owners taking bids due October 9th.

Waterproofing, Valley Forge Park, Pa. Owners, Valley Forge Park Commissioners, 1300 Locust street, Philadelphia. Owners taking bids due October 19th at 11 A. M. Waterproofing all joints in Memorial Arch now erected at entrance of Valley Forge Park. Bond required.

Residence (alts. and add.), New Garage, Clyde's Corner, Radnor Township, Pa. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, Charles J. Rhoades, on premises. Stone, 2½ stories, 40x20 feet, shingle and canvas roof, oak, pine and cement floors, painting and glazing, tile and marble work, bond, ornamental iron work, flagstone, soapstone, metal corner beads. Architects taking bids due October 10th.

Factory Building, Stowe, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owner, Stanley G. Flagg, Stowe, Pa. Brick, 4 stories, 103x50 feet (heating, plumbing, lighting separate). Architects taking bids due October 12th.

Bank Building, St. Michael, Cambria County, Pa. Architect, Henry L. Reinhold, Jr., 1513 Walnut street, Philadelphia. Brick, art stone, 2 stories, 30x70 feet, slag roof, hardwood floors, electric light, bronze work, marble and copper bulks. Owner taking bids.

Residence and Garage, Elkins Park, Pa. Architects, Silverman & Levy, Elrae Building, Philadelphia. Owner, J. Leonard Sessler, Elkins Park, Pa. Hollow tile and stucco, brick, 2½ stories and basement, 56x40 feet, 1 story, garage, 23x20 feet, shingle roof, oak, pine and linoleum floors, hot water heat, electric light, metal lath, tile and marble work, bond, ornamental iron work, flagstone, rubber tile floors, septic tanks. Architects taking bids due October 12th.

Bungalow and Garage, Royersford, Pa. Architect, J. V. Poley, 162 Second avenue, Royersford, Pa. Owner, George Swavely, Royersford, Pa. (R. D.). Brick, stone, 1½ stories, 20x36 feet, asbestos roof, yellow pine floors, terra cotta flues, hot air heat, electric light. Plans completed. Owner will take bids.

Manufacturing Building (alts. and add.), Marshall street at Market Alley, Norristown, Pa. Architect, H. Gordon McMurtrie, 1012

Walnut street, Philadelphia. Owner, name withheld. Architect taking bids due October 9th, 6 P. M.

School, Huntingdon Valley, Pa. Architects, Druckenmiller & Williams, Otis Building, Philadelphia. Owners, Lower Moreland Township, W. Ridgeway, Huntingdon Valley, Pa. Low bidders: Roy Randall, Jenkintown, Pa., \$71,349; Fesmire Brothers, Huntingdon Valley, Pa., \$71,600 Heating, American Heating & Ventilating Co., 1505 Race street, \$8,454. Plumbing, W. J. Magee, 2040½ Cheltenham avenue, Philadelphia, \$2,805. Electric, H. J. Bateman, care of architect, \$340.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Low bidders on road work opened October 2nd.

Fayette Co., A-1220, 1035, Bullskin, and Upper Tyrone Townships, 9686 feet. One course reinforced concrete. J. I. Dick, Scottsdale, Pa., \$95,564.93.

Susquehanna Co., Bridge, R-10 Roadway 20 feet, at Halstead. DuBois Construction Co., Dubois, Pa. \$123,530.50.

Clearfield Co., R-276-401, A-3345, Ramey Boro., 4561 feet. One course reinforced concrete. Lord Const. Co., Hastings, Pa. \$39,309.30.

Susquehanna Co., R-316, A-3610, Rush Township, 16,468 feet. One course reinforced concrete. Stento and Sarafini, Binghamton, N. J. \$119,014.90.

Sullivan Co., R-17, S-7, Laporte Township, Cherry Township, Dushore Borough, 32,235 feet. One course reinforced concrete. United Const. Co., Lock Haven, Pa., \$337,949.00.

Beaver Co., R-178, A-3421, Green Township, Hookstown Borough, 8965 feet. One course reinforced concrete. A. R. Cooper, Butler, Pa. \$81,759.34.

Beaver Co., R-347, A-3746; 2357 feet. One course reinforced concrete. Shorb and Re-line, St. Clairsville, Ohio. \$24,023.56.

Pennsylvania Contracts Awarded

Church and Sunday School, Drexel Hill, Pa. \$40,000. Architect, John B. Thompson, 34 South Seventeenth street, Philadelphia. Owner, Grace Evangelical Lutheran Church, Drexel Hill, Pa. Stone, cut stone, concrete, brick, structural steel, iron work, sheet metal work, Chapman slate roof, slag roof, quarry tile pine floors, metal lath, plastering, painting and glazing hardware, 1 story, 80x53 feet. Contract awarded Barnes Construction Co., 1828 Arch Street, Philadelphia. Plumbing and heating, David S. Anderson, Drexel Hill Pa. Electricity, Jacob A. Busch, 1221 Commerce Street, Philadelphia.

Stable (1), Wagon Sheds (2) and Blacksmith Shop, Harrisburg, Pa. Architect, C. J. Conpley, Ebner Building, Harrisburg, Pa. Owners, City of Harrisburg, care of Dr. Hassler, Harrisburg, Pa. Fireproof, 2 stories and 1 story, 30x60 feet, 176x20 feet, 128x20 feet, slate roof, concrete floors, electric light, rolled steel sash. Contract awarded to R. S. Shoemaker, Harrisburg, Pa. Plumbing awarded to

Edwin L. Fisher, Harrisburg, Pa. Electric awarded to Dauphin Electrical Co., Harrisburg, Pa.

Mill Building, Nazareth, Pa. Architect, J. L. McConnell, Chicago, Ill. Owners, Bates Valve Bag Co., Nazareth, Pa. Brick, steel, 1 story, 200x75 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash, plumbing. Contract awarded Hughes-Foulkrod Co., Commonwealth Building, Philadelphia.

Residence, Elkins Park, Pa., \$32,000. Architect, private plans. Owner, Gustav L. Block, care of builder. Stucco and cinder block, 2½ stories, 40x34 feet, shingle roof, oak and pine floors, hot water heat, electric light, tile work, rolled steel sash, ornamental iron work. Contract awarded S. A. Sims, 2315 Walnut street, Philadelphia.

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Residence and Garage, Rose Valley, Pa. Architect, G. Harold Murphy, Drexel Building, Philadelphia. Owner, Earl G. Harrison, Packard Building, Philadelphia. Contract awarded H. L. Walton, Rose Valley, Pa.

Church, Northampton, Pa. Architect, Sigmond J. Luschenski, 1220 Locust street, Philadelphia. Owners, St. Michael's Roman Catholic Church, 829 Main street, Northampton, Pa. Brick, hot water heat, electric light, slate roof, hardwood floors. Contract awarded Joseph Karek, 829 Main street, Northampton, Pa.

Residence and Garage, Glenside, Pa. Architect, Robert C. Martin, North Glenside, Pa. Owner, R. C. Wenner, Glenside, Pa. Stone, 2½ stories, 26x40 feet, hot water heat, electric light, slate roof, hardwood and cement floors, flagstone, enclosed porch, cement tile, rubble stone, garage, stone, 1 story, 14x20 feet, tin roof. Contract awarded August E. Heckman, North Glenside, Pa.

Bridge over Neshaminy Creek, State Highway, Route No. 150, crosses between Bristol and Bensalem, Croyden, Pa. Engineer, J. S. Roberts, Jr., Bristol, Pa. Owners, Bucks County Commissioners, Doylestown. Contract awarded A. K. Eckert, Doylestown, Pa., \$95,356.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Adams County, A-3412, Germany Township, \$40,044.35. Contract awarded to W. Grant Raub, Red Lion, Pa.

Road Work, Pennsylvania. Owners, Penna. Dept. of Highways, Harrisburg, Pa. Schuylkill Co., R-290, Mahanoy City Borough, 4705 feet. Bituminous surface course on asphaltic concrete foundations. Contract awarded to Union Paving Co., 30th and Locust Streets, Philadelphia, \$108,689.34.

New Jersey Construction News

Camp, Brown's Mill, N. J. Architect, J. Fletcher Street, 1120 Locust street, Philadelphia. Owner, David L. Vaughan, River-ton, N. J. Timber, 1 story, 30x45 feet, shingle roof, pine floors, plumbing electric light. Architect taking bids.

Road Work, New Jersey. Owners, State Highway Department, A. Lee Grover, Secty., Broad Street, Bank Building, Trenton, N. J. Monmouth Co., Route 4, Sec. 34, Keyport Cutoff. Reinforced concrete pavement and unclassified excavation. Owners taking bids due October 19th at noon. Deposit of \$10.00 required. Certified check 10%.

Garage, Wenonah, N. J. Owners, Pan-American Prod. Corp., Wenonah, N. J. Brick, concrete, steel. Work contemplated. Too early for details.

Boiler House and Laundry, Trenton, N. J. Architect, William A. Klemann, First National Bank Building, Trenton. Owners, St. Francis' Hospital, Chambers and Hamilton streets, Trenton, N. J. Architect ready for bids.

Convalescent Building, Trenton, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, New Jersey State Hospital for Insane, Trenton, N. J. Brick, reinforced concrete, steel, limestone, 3 stories and basement, 111x49 feet 10 inches, slate roof, tile and mastic floors, hollow metal, waterproofing, skylights, sash, tile and marble (heating, plumbing and electric separate). Ready for bids.

Psychopathic Building, Trenton, N. J. Architects, Department of Institutions and Agencies, Trenton, N. J. Owners, New Jersey Hospital for the Insane, Trenton, N. J. Brick, reinforced concrete, steel, limestone, 3 stories and basement, 96x45 feet, slate roof,

tile and mastic floors (heating, plumbing and electric separate), waterproofing, hollow metal doors, skylights, sash, metal lath, tile and marble. Ready for bids.

Nurses' Home, Trenton, N. J. Architects, Department of Institutions and Agencies, Trenton, N. J. Owners, New Jersey State Hospital for Insane, Trenton, N. J. Reinforced concrete, brick, limestone, 2½ stories, 104x34 feet, slate roof, hardwood and tile floors, electric light (plumbing, heating and electric separate), tile and marble work, ornamental iron. Architects ready for bids.

Doctors' Home, Trenton, N. J. Architects, Department of Institutions and Agencies, Trenton, N. J. Owners, New Jersey State Hospital for the Insane, Trenton, N. J. Reinforced concrete, limestone, brick and steel, 2½ stories, 170x29 feet, slate roof, hardwood and tile floors, waterproofing, ornamental iron, metal lath, tile and marble (heating, plumbing and electric separate). Architects ready for bids.

Office Building, Glassboro, N. J. Architect, private plans. Owners, Owens Bottle Co., Glassboro, N. J. Brick, steel, 1 story, 62x34 feet, slag roof, cement and linoleum floors, steam heat, electric light. John N. Gill Const. Co., City Center Building, Phila., taking sub-bids.

Residence, Ventnor, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City. Owner, H. Williams, Atlantic City, N. J. Cinder block and stucco, 2½ stories, 26x42 feet, tile roof, hardwood floors, hot water heat, electric light, tile work. Architect ready for bids.

Residence, Margate City, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City. Owner, T. J. Christensen, Guarantee Trust Building, Atlantic City. Cinder block and stucco, 2½ stories, 26x42 feet, tile roof, hardwood floors, hot water heat, electric light, tile work. Architect ready for bids.

Colton Manor Hotel, Pennsylvania avenue, Atlantic City, N. J. Architect, W. Macy Stanton, 1524 Chestnut street, Philadelphia. Owner, care of architect. Brick, stone, steel, concrete, fireproof, 13 stories, 150x150 feet (400-room capacity), steam heat, oil burning equipment, tile and marble work, slag roof, concrete floors, elevators, rolled steel sash, hollow metal doors, iron work. Plans in progress. Contractor is selected. Architect will be ready for bids in two weeks.

Residence and Garage, Haddonfield, N. J. Architects, Trout & Truscott, 222 South Jessup street, Philadelphia. Owner, R. Wayne Kraft, 207 Market street, Camden, N. J. Cinder block, stucco, 2½ stories, 30x80 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work, cement work. Plans in progress. Will be ready for bids in two weeks.

Hospital, Atlantic City, N. J. Architects, H. A. Stout, H. V. Mathis, J. H. Vaughn, Guarantee Trust Building, Atlantic City, N. J. Owners, Atlantic City Hospital, J. Moore, Atlantic City, N. J. Fireproof, 4 stories, 40x165 feet, slag roof, composition and tile floors, hollow tile, elevators, roof ventilators, waterproofing and dampproofing, iron stairs, fire doors, tile and marble, metal lath, steam heat, electric light. Architects taking bids due October 22nd.

Ice Cream Factory and Bakery, 56 Federal street to Taylor, Camden. Architect, H. A. Allen, 526 Stephen street, Camden, N. J. Owner, Bernard C. Foulon, 56 Federal street, Camden, N. J. Present building to be demolished. Brick, limestone, 3 stories (offices), 20x145 feet, 2 stories, (rear) 40x40 feet (heating, plumbing and electric reserved), slag roof, concrete, wood and terrazzo floors, bronze work, marble and terrazzo work. Architect taking bids due October 10th at noon.

Stores (2), Apartments (4), Trenton, N. J. Architect, L. S. Kaplan, First National Bank

Building, Trenton, N. J. Owner, Dr. B. D. Lavine, care of architect. Architect taking bids due as soon as possible.

Residence and Garage, Somerset, Mercer County, N. J. Architect, Walter Hankin, 224 East Hanover street, Trenton, N. J. Owner, George Zimmerman, care of architect. Architect taking bids.

Residences (6), 1141-51 Thurman street, Camden, N. J., \$22,000. Architect, private plans. Owner, Edward Praiss, 1566 Mt. Ephraim avenue, Camden, N. J. Brick, 2 stories, 14x50 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Residence, 1300 Dayton street, Camden, N. J., \$4,000. Architect, private plans. Owners, Smith Brothers, 603 Park avenue, Collingswood, N. J. Brick, 2 stories, 14x47 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

New Jersey Contracts Awarded

Residence and Garage, Ventnor, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City. Owner, Mrs. L. London, 1329 Atlantic avenue, Atlantic City. Stucco and cinder block, 2½ stories, 27x60 feet, hardwood, pine and cement floors, electric light, tile work. Contract awarded to Philip G. Hannum, Georgia avenue and Thorofare, Atlantic City, N. J.

Garage, Prospect street, Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owner, Raymond Taylor, Trenton, N. J. Brick, 1 story, 24x44 feet, slag roof, concrete floors, electric work. Contract awarded to Horace Swasey, 541 Perry street, Trenton, N. J.

Hotel Donato (add.), Commerce and Haddon avenues, Atlantic City. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, Frank Fiore, on premises. Contract awarded to W. Beaumont, 1 South Tennessee avenue, Atlantic City.

Residence, 478 Rand street, Camden, N. J., \$5,200. Architect, private plans. Owner, Walter Dietrich, Camden, N. J. Block and stucco, 2 stories, 24x26 feet, rubberoid roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to William R. Hosier & Son, 101 North Twenty-fifth street, Camden, N. J.

Residence, 607 North Thirty-second street, Camden, N. J., \$4,000. Owner, Edwin S. Robbins, 523 South Eighth street, Camden, N. J. Frame, 1½ stories, 25x35 feet, rubberoid shingle roof, hot air heat. Contract awarded to E. Christopherson, 603 North Thirty-second street, Camden.

Hotel (add.), Boardwalk, Atlantic City, N. J. Architects, Carrere & Hastings, 52 Vanderbilt avenue, New York City. Owners, Hotel Chelsea, Atlantic City, N. J. Reinforced concrete, brick, granite, limestone, steel, 9 stories and basement, 240x100 feet (plumbing, heating, electric, elevator reserved), Barrett Specification roof, cement floors, metal lath, tile and marble work, shoring, architectural terra cotta, ornamental iron work, metal stone fronts, mail chutes. Contract awarded F. V. Warren Co., 1913 Arch street, Philadelphia.

Storage Building, 262 Division street, Camden, N. J., \$3,000. Architect, private plans. Owners, Bantivoglio Estate, Camden, N. J. Brick, 1 story, 30x100 feet, slag roof, electric light. Contract awarded to Frank Valeriani, 259 Spruce street, Camden.

Residence, 3266 Pleasant street, Camden, N. J., \$4,000. Architect, private plans. Owner, Charles Kohler, care of builder. Brick, 1 story, 24x36 feet, slate surface roof, hot water heat, electric light. Contract awarded to Adam Stephan, 3309 Pelham Place, Germantown.

Miscellaneous Construction News

Church (Educational Institution), Richmond Park, Wilmington, Del. Architect, Bureau of Architects, Methodist Episcopal, 1701 Arch Street, Philadelphia. Owner, Richardson M. E. Church, Richmond Park, Wilmington, Del. Stone, 1 story. Architect taking bids due Oct. 13th.

Proposal

Sealed and separate bids or proposals will be received by the Board of School Directors of the School District of the City of York, Pennsylvania, for the erection and completion of a Senior High School Building to be erected on the plot of ground lying at the northwest corner of West College Avenue and South Beaver Street, York, Pa. The proposals must be submitted separately for the—General construction of the building, Plumbing and Drainage, Electrical Work, and Heating and Ventilating—all in accordance with plans, drawings and specifications prepared by John B. Hamme, Registered Architect, York, Pa. A certified check equal to 5% or an acceptable Surety Company bond equal to 10% of the aggregate amount of the bid must accompany each proposal to guarantee acceptance of contract if awarded.

An acceptable Surety Company bond equal to the full amount of the contract will be required of the successful bidders.

Plans and specifications may be secured from David N. Crider, Secretary of the Board of Directors, in the Central School Building, corner of West King Street and Cherry alley, York, Pa., upon application accompanied by a deposit of cash or certified check of \$100 for each set of the General plans and specifications, \$85 of which will be returned for each set when plans and specifications are returned to said office accompanied with bid. A deposit or certified check for \$50 must accompany applications for each set of the Plumbing and Drainage, Electrical Work, or Heating and Ventilating plans and specifications, \$35 of which will be returned for each set when plans and specifications are returned accompanied with a bid.

In case no bid is received the entire amount of the deposit or check will be forfeited.

On or about September 21, 1925, plans and specifications will be delivered to persons making application in accordance with the above requirements. Plans and specifications will be on view in the office of John B. Hamme, Registered Architect, Citizens' Savings and Trust Building, in the office of M. O. Lewis, Superintendent of Buildings and Grounds, in the Central School Building, York, Pa., and at the Builders' Exchanges in Philadelphia, Pa., and Baltimore, Md.

All bids must be signed, sealed, properly marked with name of contract bid upon and delivered to David N. Crider, Secretary, Central School Building, York, Pa., not later than one o'clock P. M. of Thursday, October 15, 1925.

The right is reserved to reject any and all bids.

EDWARD W. NEUMANN,

Chairman of the Committee on Buildings, Grounds and Fuel, of the Board of School Directors of the School District of the City of York, Pa.

CONFIDENCE IN RAIL STEEL REINFORCING BARS FULLY MERITED

BY H. J. STAMBAUGH, JR.

Evidence of engineering confidence in rail steel reinforcing bars is strikingly illustrated by the steadily growing number of specifications which designate them.

This confidence is based on solid ground. The test of time and the results of laboratory research have combined to prove the worth of products rolled from steel rails. Buildings in which rail steel reinforcing was used, erected a quarter of a century ago, stand today like granite rocks. No structure ever has failed because of this steel.

Backed by the general conviction of their thorough reliability, these bars have found a wider and wider range of use. From the very narrow field they occupied at the beginning, they now are employed in every kind of work where reinforced concrete is specified.

Rail steel bars meet all requirements to which they have ever been honestly subjected. It is needless for critics to point out that in some isolated laboratory tests they have not held up.

Mere criticism of a material gets nowhere. It must be backed by a substantial array of facts. Specific instances of failure in its varied uses must be pointed out and these instances must be attested by competent witnesses. No such evidence exists as to rail reinforcing bars despite attempts in a few quarters to mold engineering opinion to that end.

On the contrary there are everywhere enduring monuments which demonstrate the complete reliability of the material. These monuments stand forth as the best possible answer to detractors.

Among architects and engineers preferences always will exist. Where one leans strongly to a certain kind or type of material, another chooses to work with a different medium, but if they are sincere neither will condemn the other's choice as undependable or unsafe.

Each year sees more and more barriers of prejudice being broken down in the construction field. This is true of rail steel as of other materials. In a few cities building codes express the biases or the lack of information of the men who drew them and in some cases they were drawn years ago. Pertinent to this is a recent editorial in a technical publication. It reads in part:

"Building codes were probably first adopted by cities for the purpose of protecting life and limb. The occasional failure of a poorly designed or poorly constructed building doubtless furnished the main argument in favor of a building code. But a device for the protection of

life has degenerated in many cities into a device for creating monopolies.* * * *

It is an open question whether building codes should ever go farther in their restrictive rules than to draw a few broad specifications aimed solely to prevent buildings from falling down. But city building department heads have gradually increased the detail of their code specifications until they bid fair ultimately to usurp the function of the designing engineer or architect.

Along with this evolution has come the paternalism of the politician, with his prohibitions 'for the good of the public.' * * *

But building codes which ignore rail steel bars now are so rare as to be listed as curiosities. It seems probable that it

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will not be long until there will be no city or town where the ordinances do not regard rail steel as the standard material that it is.

It is natural that increased use of these bars should be noted in connection with the unprecedented building activity of 1925. In every part of the country new marks have been set almost monthly since the first of the year and even in event of a considerable let down during late months of the year, which seems improbable, it is likely that for the twelve months a record of more than \$6,000,000,000 in construction will be shown.

In this work has gone hundreds of thousands of tons of rail steel reinforcing. Some of the most notable commercial and municipal projects have been built under specifications which included this product. One notable example is in Washington, D. C., where United States Army engineers designated rail steel for the filtration plant of the new water works system. This material also is being used in the new water works systems for the cities of St. Louis and Cincinnati.

These are only isolated cases, yet they tend to prove that rail steel bars receive the endorsement of the highest engineering skill in the country. Certainly if the material were questionable, if it had not demonstrated its worth in thousands of instances, it would not even be considered by the foremost authorities on construction.

Refinements in the process of making rail steel bars are constantly going on. Mills which produce the material employ metallurgical experts of high standing who watch the various phases of manufacture and who study ways to turn out a perfect product.

An example of this may be found in the improvements that have been made in the last few years in maintaining even temperatures in the steel as it passes from the furnace to the rolls and then to the hot beds. Changes in furnace design and in the fuel employed also have tended to bring about a high degree of excellence in the material.

Rail steel reinforcing bars have thoroughly established themselves in the list of sturdy building materials by a continuous record of dependability. It is evident that they will maintain their place.

INTERIOR WALL TREATMENTS

Rough textured interior walls soften noises by scattering instead of echoing sound waves. They break up light waves, too, instead of reflecting them in a glare. So the light in a room with textured walls is more subdued than where the surface is hard and flat. Artistically,

textured walls are more interesting than smooth ones, because the texture gives a pleasant variation of light and shadow to the surface.

Walls were treated this way in the chief periods of architecture which influence the design of American homes. Rough plaster effects are found in Spanish, Italian, early English, Gothic, American, Colonial and other dwellings.

But in each period the texture and tone combinations were different. Typical Spanish plaster work is roughly hand finished and its colors are neutral. The early Italian is another "palm finish" but more refined, and there is more variety of color in the Italian interior. It ranges from soft greys and reds to turquoise blue.

Before French and Italian artisans brought in a vogue for ornate caste work, the rooms of English small homes were plastered with a semi-smooth trowel texture and the usual colors were buffs and greys which harmonized with the dark wooden wainscoting and beamed ceilings. In the homes built during the Gothic period in northern Europe the walls were grained by the coarse materials used and marked irregularly by brush and trowel. Greys, tans and buff tones prevailed.

Wallpapers did not come into general use in the American Colonies until shortly before the Revolution. Previous to that white or greyish plaster was used, with or without wood paneling, in textures ranging from a smooth sand float finish to a coarser stipple.

There are other wall treatments typical of other period styles. If your home is designed in one of these styles and if you wish its interior to reflect the general feeling of the design, the walls should be treated as described.

To most folks "period interior" means brocade or velvet hangings, hand-wrought metal, antique furniture and sculpture. Such things give the spirit of palaces. But what most of us want is not the splendor of the palace but the quaintness, picturesqueness or charm of the cottage of one of the great periods of home building.

This can be attained without great cost. These simple textured wall treatments not only harmonize with the general architecture of the room, but they provide proper backgrounds for the furniture, draperies and rugs which we can afford and which carry out the spirit of the room.

It is inexpensive and simple to get these effects with the plastic paints now on the market which give both texture and tone in one coat. It is best to size the wall first, and another coat of size over the outer surface makes it washable.

These paints come as white powders to be mixed with water to a thick paste. Then dry pigments dissolved in water or oil colors thinned in turpentine are stirred in and the material is brushed on. When it begins to stiffen it should be gone over with a wall brush, stippling brush, palm of the hand, finger tips or wad of crumpled cloth or paper to produce the texture desired.—*The Small Home*.

UNDERWRITERS REDUCE INSURANCE RATES ON ELEVATORS EQUIPED WITH INTERLOCKS APPROVED BY BUREAU OF STANDARDS

The importance of the work which the Bureau of Standards, Department of Commerce, is conducting on elevator interlocks is forcibly illustrated by the fact that the National Bureau of Casualty and Surety Underwriters, one of the largest groups of this kind in the United States, has recently granted a reduction in insurance rates on elevators equipped with interlocks which have passed the Bureau of Standards' tests.

A substantial saving in insurance rates has thus been made possible, but far more important than this and of course the reason underlying the above action, is the greater assurance of safety in elevators equipped with devices which have successfully passed these tests. The best statistical information available indicates that effective hoistway door elevator interlocks would have prevented three-fourths of the fatal elevator accidents which have occurred in the past.

This work was originally undertaken for the City of Baltimore, but has been extended to include tests for the Office of the Supervising Architect and for the District of Columbia. The tests will probably also be utilized in the near future by a number of State safety commissions.

The man who starts out with the idea of getting rich won't succeed; you must have a larger ambition. There is no mystery in business success. If you do each day's task successfully, stay faithfully within the natural operations of commercial law, and keep your head clear, you will come out all right.—John D. Rockefeller.

America stands supreme in the development and use of advertising, and advertising is the seed which by implanting desire produces the fruit of social advancement. Education promotes efficiency and efficiency in turn makes possible higher earning power, higher purchasing power and improved living conditions.

Reference Directory for Architects, Builders and Owners

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Ridpath & Potter Co.,
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ARTISTS' AND ARCHITECTS' SUPPLIES.

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Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINTS.

Blue Print Shop.....1520 Sansom St., Phila.
Robbins, Chas. H., Co.....1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

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BUILDING NEWS.

Daily Building News.....Perry Bldg., Phila.

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The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

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CEMENT.

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The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK.

D'Lauro, John55 E. Mermaid Lane, Phila.
Harsch, Wm. F.Narberth, Pa.
Massiah, Frederick, Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

COLUMNS (Metal).

Pearce Fireproof Co.1911 N. 2nd St., Phila.

COMPOSITION FLOORING.

Penna. Flooring & Woodoleum Mfg. Co.,
34 S. 17th St., Phila.

CONCRETE SEWER PIPE.

Stroudsburg Septic Tank Co., 328 Chestnut St., Phila.

CONCRETE WORK.

Harsch, Wm. F.Narberth, Pa.
Massiah, Frederick, Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Lee T. Ward Co.617 Filbert St., Phila.

CORK FLOORING

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

CURTIS WOODWORK.

Gillingham Co.Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS.

Building News Pub. Co.Perry Bldg., Phila.

DAMP-PROOFING.

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger.....829 N. 3rd St., Phila.
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Master Builders' Co.,
Room 601, 1524 Chestnut St., Phila.

DOOR BEDS

Truscon Laboratories.....1505 Race St., Phila.

Murphy Door Bed Co....512 Bulletin Bldg., Phila.

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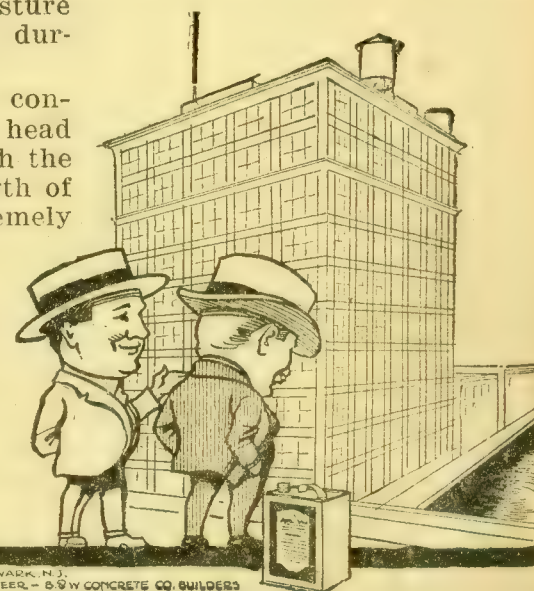
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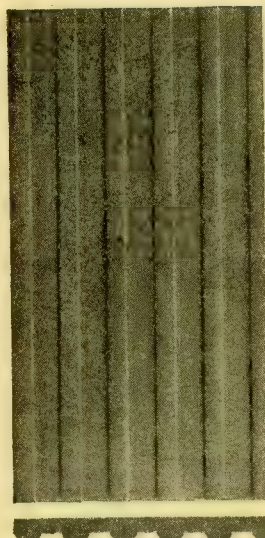
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Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XL, No. 41
October 14, 1925

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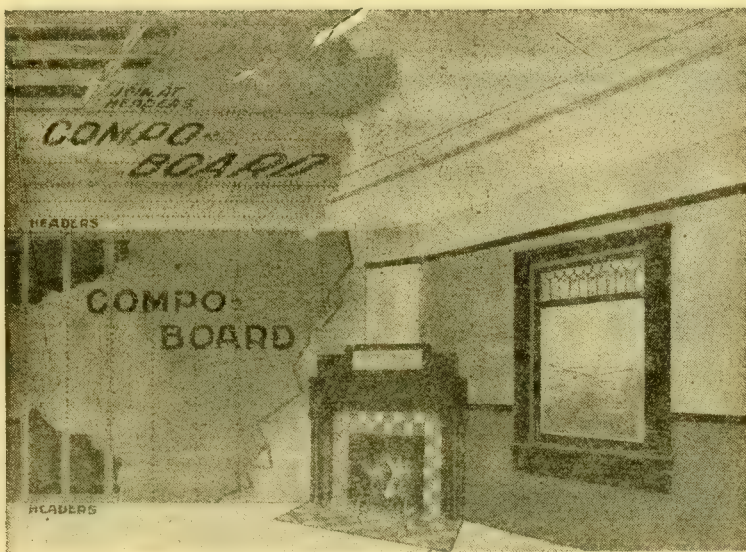
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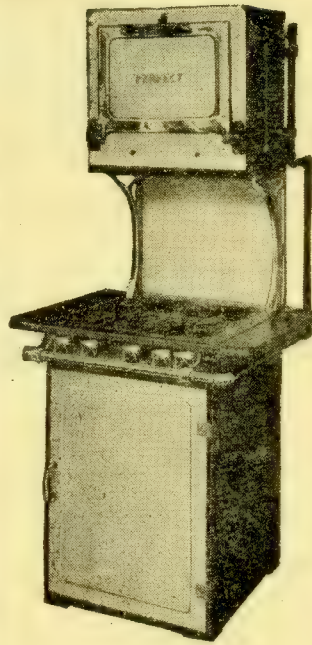
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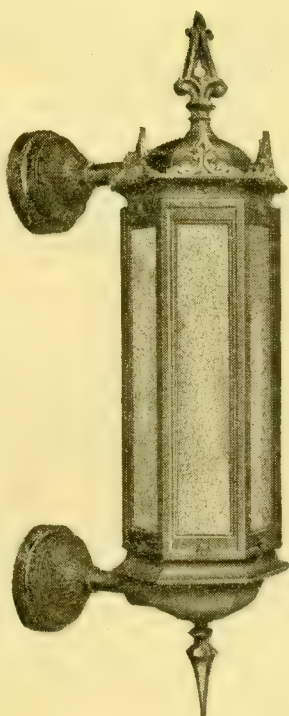
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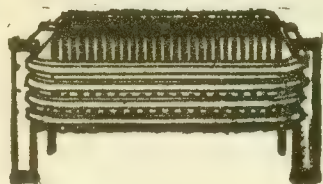
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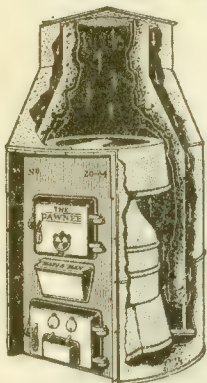


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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XL
Number 41

PHILADELPHIA
October 14, 1925

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

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MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residences (36), Sanger, Horrocks and Large Streets, Philadelphia, \$184,000. Architect, private plans. Owners, Geo. R. Osborne & Sons, 5014 Saul Street, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residences (17), Edgemore and Malvern Roads, Philadelphia, \$96,900. Architect, private plans. Owner, John H. McClatchey, 69th and Market Streets, Philadelphia. Brick, 2 stories, 16x32 feet, 16x25 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residences (3), South side Kalos street, West of Manayunk avenue, \$7,000 each. Architect, private plans. Owner, John F. Fee-ney, 106 Kalos Street, Philadelphia. Brick, 2 stories, 15x36 feet, 11x16 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Store Building (alts. and add.), 2036 Chestnut Street, Philadelphia. Architects, Neubauer and Supovitz, 929 Chestnut Street, Philadelphia. Owner, Beckman Bros. and Co., on premises. Brick, cut stone, steel, 2 stories, controlled heat, electric light, metal lath, marble work, galvanized iron skylights, plastering, painting and glazing, plumbing, carpentry and millwork. Architects taking revised bids due Oct. 16th.

Residence, Frankford, Philadelphia. Architect, S. D. Milner, 1117 Foulkrod street, Philadelphia. Owner, name withheld. Concrete block, 2½ stories, 27x40 feet, red slate roof, hardwood floors, hot air heat, electric light, tile work. Plans about completed.

Apartment House, Walnut street, West of Fortieth street, Philadelphia. Architects, Lachman & Murphy, Drexel Building, Philadelphia. Owner, George T. Sales, Liberty Building, Philadelphia. Brick, stone, steel, 4 stories, hardwood floors, elevator, electric

light, tile work. Plans about completed. Architects will be ready for bids in ten days.

Garage and Dentist's Office (alts.), Southeast Corner Forty-first and Girard avenue. Architect, Edward Schoeppe, 316 South Fifteenth street, Philadelphia. Owner, Yeda Goldman, on premises. Architect ready for bids.

Residences (85), Cheltenham road and Lorretto street, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, John J. Marshall, Fifty-third and Arlington streets, Philadelphia. Brick, 2 stories, 15x35 feet, slag and tin roof, hardwood floors, hot water heat, electric light, metal lath, tile work, hollow metal skylights, cement work, garages in basement. Owner taking sub-bids.

Store Building, Paul below Frankford avenue, Philadelphia. Architect, G. Harold Murphy, Drexel Building, Philadelphia. Owner, Robert Lawson, 1325 Arrott street, Philadelphia. Brick, 2 stories, hot water heat, electric light, slag roof, pine and hardwood floors. Revised plans in progress. Architect will take bids in a few days.

Manufacturing Building, Philadelphia, Pa. Architect, private plans. Owner, name withheld. Brick, steel, 1 story, 50x126 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash, ornamental iron work. William F. Lotz, 4644 Frankford avenue, Philadelphia, taking sub-bids due as soon as possible.

Mill (add.), 5629 Tulip street, Philadelphia. Architect, private plans. Owners, Oriental Knitting Mills, on premises. Brick, steel, 2 stories, 44x47 feet, slag roof, maple floors, steam heat, electric light, rolled steel sash. John N. Gill Const. Co., City Center Building, Philadelphia, taking sub-bids due as soon as possible.

Buildings, Erie avenue, between Carbon and

Casper streets, Philadelphia. Architect, private plans. Owners, I. Halpern Bros. Co., Inc., on premises. Brick, steel, steam heat, electric light, slag roof, cement floors, plumbing, painting and glazing, rolled steel sash, ornamental iron work, smelting building, 1 story, 110x50 feet, office building, 1 story, 24x50 feet, warehouse, 1 story, 150x50 feet. J. N. Gill Const. Co., City Center Building, Philadelphia, taking sub-bids due as soon as possible.

Religious Educational Building, Lawndale, Philadelphia, Pa. Architects, Bureau of Architecture, Methodist Missions, 1701 Arch street. Owners, Lawndale Methodist Episcopal Church, Rev. A. S. Morris, 804 Hellerman street. Brick, stone, cut stone, steel, limestone, 2 stories and basement, 83x102 feet, built-up roof and slate roof, rubber, linoleum and maple floors, steam heat, electric light, metal lath, marble and terrazzo work, metal sash, bond, ornamental iron work, steel partitions, plumbing, Truscon waterproofing, wrought iron pipe. Architects taking revised bids due October 19th.

Bank Building, Southwest Corner Cheltenham avenue and Wister street, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, Saving Fund Society of Germantown, on premises. Brick, concrete, cut stone, 1 story and basement, 56x41 feet, slag roof, cement and linoleum floors, painting and glazing, safety treads, plumbing, dampproofing, tin-lined doors, tile and marble work, metal lath, electric light, steam heating, ornamental plaster. Architects taking bids due October 17th, 10 A. M.

Store, Apartment and Office (alts. and add.), 5445 Germantown avenue. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, name withheld. Brick, 3 stories, general alterations and additions. Architect taking bids due October 16th.

School, Twenty-third and Jefferson streets,

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Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Low bidders: H. H. Wehmeyer, 509 West Cumberland street, Philadelphia, \$385,975; Kober Const. Co., 34 South Seventeenth street, Philadelphia, \$391,408; plumbing, D. J. Keating, 2042 Rittenhouse street, Philadelphia, \$16,973; heating, Mechanical Equipment Co., 214 South Twelfth street, Philadelphia, \$41,964; electric, Walker & Kepler Co., 531 Chestnut street, Philadelphia, \$7,177; ventilating, A. & G. Wegmann, 2813 Fletcher street, Philadelphia, \$1,895. Various schools, No. 423, D. W. O'Dea, 420 Duncannon street, Philadelphia, \$1,099; No. 424, John Didinger, 1131 Wingo-hocking street, Philadelphia, \$5,190; No. 425, G. E. Casey, 207 South Front street, Philadelphia (electric), \$1,185; Rodney School, E. C. Durrell, 1713 North Twenty-fourth street, Philadelphia, \$5,136.

Residences (18), Princeton, Marsden and Friendship streets, Philadelphia, \$89,000. Architect, private plans. Owner, John Sherman, 4938 Parkside avenue, Philadelphia. Brick, 2 stories, various sizes, hardwood and pine floors, electric light, hot water heat. Permit granted.

Residences (10), Hagerman, Edmund and Benner streets, Philadelphia, \$4,000 each. Architect, private plans. Owners, Peters & Smith, 6629 Jackson street, Philadelphia. Brick, 2 stories, 16 feet 4 inches x 39 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Garages (2) (add.), South side Locust avenue, West of Boyer street, \$7,500 each. Architect, private plans. Owner, B. W. Glover, 6050 Girard avenue, Philadelphia. Brick, 1 story add., 32x83 feet each, cement floors. Permit granted.

Residences (4), 4730-32-34-36 Stiles street, Philadelphia, \$4,800 each. Architect, private plans. Owner, John F. Kaemercz, 4827 Tacony street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hot water heat, electric light. Permit granted.

Residences (4), Granite, Worth and Pratt streets, Philadelphia, \$3,500 each. Architect, private plans. Owner, Felix Tatko, 5103 Edmund street, Philadelphia. Brick, 2 stories, 14x48 feet, 14x10 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Garage, East side Second street, South of Nedro avenue, Philadelphia, \$5,000. Architect, private plans. Owner, James A. Nolen, 314 East Church lane, Philadelphia. Brick, 1 story, 18x178 feet, slag roof, cement floors, electric light. Permit granted.

Residences (2), South side Laycock avenue, West of Eighty-sixth street, \$4,000 each. Ar-

chitect, private plans. Owner, Robert R. Heath, 3217 South Eighty-seventh street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 38 feet, slag roof, pine floors, electric light. Permit granted.

Residence (add.), 5857 Magnolia avenue, Philadelphia, \$2,500. Architect, private plans. Owner, Julius Di Leo, on premises. Brick, 2 stories add., 14x25 feet, slag roof, electric lighting. Permit granted.

Residences (26), Ainslie, Henry and Barclay streets, Philadelphia, \$108,000. Architect, private plans. Owner, M. J. McCrudden, Real Estate Trust Building, Philadelphia. Brick, 2 stories, 16x30 feet, 18x30 feet, hot water heat, electric light, slag roof, pine floors. Permit granted.

Warehouse (add. and alts.), 1811-13 Frankford avenue, \$6,000. Architect, private plans. Owner, A. Brown, 145 Fairmount avenue, Philadelphia. Brick, 2 stories add., 39x76 feet, general alterations. Permit granted.

Residences (2), West side Mitchell street, North of Cinnaminson street, \$4,000 each. Architect, private plans. Owner, Joseph Hyde, 357 Lyceum avenue, Philadelphia. Brick, 2 stories, 15x42 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Residences (12), South side Rubicam street, East of Queen street, \$3,800 each. Architect, private plans. Owners, William C. Wetherstein & Sons, 124 East Upsal street, Philadelphia. Brick, 2 stories, 16x34 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Residences (34), Residences and Stores (2), Hellerman and Montour streets, Philadelphia, \$178,400. Owner, Hans Lundberg, 1034 Fanshawe street, Philadelphia. Brick, 2 stories, 16x47 feet and 17x47 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Residences (10), West side Martin's Mill road, between Whittaker and Montour streets, Philadelphia, \$4,500 each. Owner, Hugh A. Hamilton, Green and Chelton avenues, Philadelphia. Brick, 2 stories, 24x21 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Stores and Offices (alts.), 112 to 118 South Fifty-second street, Philadelphia, \$15,000. Architect, private plans. Owners, F. W. Woolworth Co., Wilkes-Barre, Pa. General alterations. Permit granted.

Residence (add.), 2033-35 West Madison street, Philadelphia, \$3,000. Architect, private plans. Owner, Harry Rose, 1778 Frankford avenue, Philadelphia. Brick, 3 stories add., front 19x18 feet, rear 11x20 feet. Permit granted.

Residence (add.), 2038-40 Westmoreland street, \$3,000. Architect, private plans.

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Owner, Harry Rose, 1778 Frankford avenue, Philadelphia. Brick, 3 stories, front 19x18 feet, rear 11x20 feet. Permit granted.

Grading and Paving, Philadelphia. Owners, Department of Public Works, Bureau of Highways, Philadelphia. Low bidders: Grading—Eastwick, Sixty-first to Sixty-third street, Roy B. Wenner, 2315 Walnut street, Philadelphia, \$21,024.96; Kendrick, Frankford avenue to Loudon street, Curtis Brothers, State road, Philadelphia, \$7,639.35. Asphalt Paving—B, Wyoming to Loudon street, Mack Paving & Const. Co., Nicetown lane and C street, \$9,302.73; Clearview street, Johnson to Cliveden, Mack Paving & Const. Co., Nicetown lane and C street, \$7,543.20; Bigler, from Thirteenth to Broad; Barber Asphalt Co., Land Title Building, Philadelphia, \$9,569.82; Conlyn street, York road to Sixteenth, Barber Asphalt Co., Land Title Building, \$8,689.34; Jenks, from Cooper to Bath, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$1,357.20; Lycoming street, from N to O street, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$8,676.75; Nedro avenue, Nineteenth to Kemble, Barber Asphalt Co., Land Title Building, Philadelphia, \$9,913.50; Randolph, Johnston to Bigler, Barber Asphalt Co., Land Title Building, Philadelphia, \$6,581.05; Sharpnack, Chew to Belfield, Barber Asphalt Co., Land Title Building, Philadelphia, \$21,509.49; Stenton, Sheldon to East Logan, Barber Asphalt Co., Land Title Building, Philadelphia, \$7,300.76; Torresdale, Kennedy to Foust, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$35,141.50; Torresdale, Vankirk to Robbins, Barber Asphalt Co., Land Title Building, Philadelphia, \$71,158.05; Wellesley, Emlen to Jefferson, Mack Paving & Const. Co., Nicetown and C street, \$6,828.47; Thirteenth, Lindley to Ruscomb, Barber Asphalt Co., Land Title Building, Philadelphia, \$6,910.84. County road improvement, Decatur, Red lane to North Bridge street, B. Foster Co., Twentieth and Venango streets, Philadelphia, \$10,157.72; Pattison, Broad to Tenth, Union Paving Co., Thirtieth and Locust streets, \$44,888.53. Asphalt Repaving—Sixteenth, Passyunk to Porter, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$26,194.68. Redressed Granite Block—Twelfth, South to Ellsworth, and Twelfth, Ellsworth to Reed, C. G. Centrone, Jefferson Building, Philadelphia, \$22,402.08; Twelfth, Reed to Porter, G. C. Centrone, Jefferson Building, Philadelphia, \$53,933.48; Fifteenth, Porter to Shunk, and Sixteenth, Washington to Moore, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$25,884.11. Grading, Paving and Improving—Rising Sun, Knox to Cottman; Fernadale, Rhawn to Stanwood street, Philadelphia, Baton Const. Co., 1713 Sansom street, \$65,255.56.

Miscellaneous Work, Philadelphia. Contracts awarded: Finishing and laying vitrified pipe in Jackson street, Howell to Comley streets, J. Joseph McHugh, 1617 Race street, Philadelphia, \$110,000. Union Paving Co., Thirtieth and Locust streets, for surfacing Twentieth, Moyamensing to Pattison, \$55,300. Granite curb, Frankford Creek, George F. Dobbins, 1020 South Forty-seventh street, Philadelphia, \$10,000. Branch sewer, Twenty-

first, Spencer to Godfrey, J. Joseph McHugh, 1617 Race street, Philadelphia, \$9,800. Grading and laying footways, Ford and Monument roads, J. F. & P. O. O'Rourke, care of owners, \$8,000. Grading Pennypack street, Frankford to Torresdale, Dewees Brothers, Fifth and Fisher's avenue, Philadelphia, \$9,500. Electric work, House of Correction, W. Y. Pangborne & Co., 1927 West Montgomery avenue, \$26,885.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residences (5) Van Kirk and Cottage streets, Philadelphia, \$16,000. Architect, private plans. Owner, Daniel J. Rafferty, 3157 Kensington Ave., Philadelphia. Brick, 2 stories, (4) 15x32 feet, 11x11 feet, (1) 16x41 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Thos. A. Rafferty, 3331 Van Kirk St.

Stores and Residences (alts.), Northeast corner Nineteenth and Ridge Avenue, \$2,000. Architect, private plans. Owner, Joseph R. Rothschild, 1509 Point Breeze Avenue, Philadelphia. General alterations. Contract awarded to Wolf and Sheffet, 3815 Poplar Street, Philadelphia.

Delta Sigma Phi Fraternity House, 202-04 South Thirty-sixth street, Philadelphia. Architect, Arthur E. Davis, 643 Broad street, Newark, N. J. Owners, Iota Chapter House, care of R. B. Beatty, care of Bear Engr. & Const. Co., 1712 Ludlow street, Philadelphia. Reinforced concrete, brick, stone, 3 stories and basement, 88x40 feet, steam heat, electric light, metal lath, tile and marble work, rolled steel sash, hollow metal doors, bond, iron stairs, ornamental iron work, black slate and slag roof, cement and oak, pine floors, hollow tile, metal ceilings, shoring, waterproofing, dumb waiters, metal corner beads, painting, glazing, plumbing, wrought iron pipe, kalamein doors, membrane waterproofing, granite, bluestone, limestone, flagstone. Contract awarded Metzger, Fisher & White, Otis Building, Philadelphia.

Y. M. C. A. Building (add.), 1421-25 Arch street, Philadelphia, \$350,000. Architects, Department of Architecture, 1421-25 Arch street, Philadelphia. Owners, Y. M. C. A., care of J. M. Steele, president, on premises. Brick, seventh and eighth floors, 134x21 feet, slag roof, cement floors, metal lath, marble and terrazzo work, hollow metal sash, galvanized iron sky-

lights, kalamein doors, bond, iron stairs, ornamental iron work, architectural terra cotta, bluestone, mail chute (waterproofing, weather stripping, hardware, painting and glazing, except where called for in specifications, electric work, heating, plumbing reserved). Contract awarded F. L. Hoover & Son, 1023 Cherry street, Philadelphia.

Manufacturing Building (alts.), 319 South Darien street, Philadelphia. Architect, Gabriel Roth, 1629 Chestnut street, Philadelphia. Owners, L. Pellegrini & Co., on premises. Brick work, structural steel, steel sash, carpentry and mill work, stair work, cement work, finished hardware, painting and glazing, slag roof, copper skylights, bond (plumbing, heating, electric light, elevators reserved). Contract awarded Seurci & Macrame, 734 South Seventh street, Philadelphia.

Manufacturing Building (add.), Front and Olney avenue, Philadelphia. Architect, private plans. Owners, Heintz Manufacturing Co., on premises. Reinforced concrete, brick, 3 stories add., 200x70 feet, slag roof, cement floors, painting, glazing, rolled steel sash, fire doors, ornamental iron work, cold water paint, metal toilet partitions. Contract awarded Barclay White Co., 1713 Sansom street, Philadelphia.

Bank, Northeast Corner Broad and Ruscomb streets, Philadelphia. Architects, Mellor Meigs & Howe, 205 South Juniper street, Philadelphia. Owners, Philadelphia Saving Fund Society, Seventh and Walnut streets, Philadelphia. Limestone, steel, 1 story and basement, 55x67 feet, copper roof, maple floors, hot water heat, electric light, tile work. Contract awarded George A. Fuller Co., Morris Building, Philadelphia.

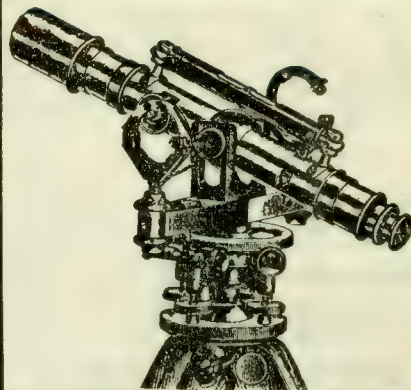
Store and Apartment, 5 and 7 South Sixtieth street, Philadelphia. Architect, Edwin L. Rothschild, Bankers' Trust Building, Phil-

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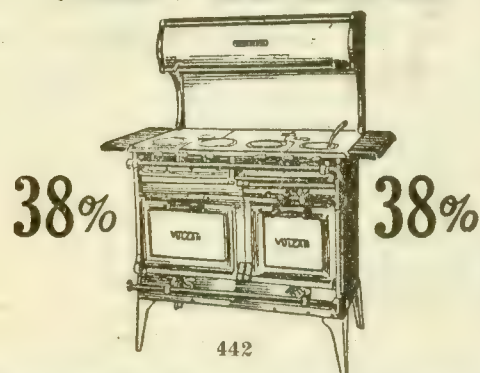
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Philadelphia. Owner, A. Brooks, on premises. Brick, cut stone, steel, 2 stories and basement, 40x90 feet, slag roof, oak floors, steam heat, electric light, tile and marble work, metal lath, plumbing, metal ceilings, waterproofing, bond, ornamental iron work, wrought iron pipe. Contract awarded W. P. Cameron Engr. Co., Packard Building, Philadelphia. (Please note change in contractor.)

Residence, Southwest Corner Broad and Rockland, Philadelphia. Owner, Henry Ryder, on premises. General alterations, limestone, tile and marble work, patent window frames, steel, plaster, mill work, painting, glazing, cement. Contract awarded E. E. Hollenback, 1804 Brandywine street, Philadelphia.

Residence (alts. to Bachelor Apartments), 5823 Thomas avenue, Philadelphia. Architect, private plans. Owner, H. Stahlmecker, Norristown, Pa. Brick, 3 stories, general alterations, carpentry and mill work, plumbing, painting and glazing, alterations to heating and lighting. Contract awarded Hood & Gross, 1613 Chestnut street, Philadelphia.

Store, 2330-34 North Front street, Philadelphia. Architect, Harold Holmes, Architectural and Engineering Department, Detroit, Mich. Owner, S. S. Kresge Co., Detroit, Mich. Brick, cut stone, steel, granite, 2 stories and basement, 105x48 feet, builtup roof, maple and oak floors, hollow tile, roof ventilators, shoring, steam heat, electric light, metal lath, tile, marble and terrazzo work, kinnear doors, bond, copper bulks, iron stairs, ornamental iron work, painting and glazing, dumb waiter, integral waterproofing, limestone, bronze tablets, tin-clad doors, plate glass, plumbing, sprinkler systems, wrought iron pipe, steel and brass pipe. Contract awarded Fred Elvidge & Son, 5522 Germantown avenue.

Office Building, Northeast Corner Fifteenth and Locust streets, Philadelphia. Architects, Arthur Hall and William H. Gravel, Otis Building, Philadelphia. Owner, Richard Seltzer, 1423 Locust street, Philadelphia. Brick, steel, cut stone, 12 stories and basement, 71x40 feet (plumbing, heating and electric reserved), slag roof, cement, composition, tile and linoleum floors, metal lath, tile, marble and terrazzo work, fire and kalamein doors, bond, metal weather strip, ornamental iron work, incinerator. Contract awarded F. V. Warren Co., 1913 Arch street, Philadelphia.

Cresson Building (alts. and add.), Thirty-eighth and Powelton avenue, Philadelphia. Architect, Arthur H. Brockie, 254 South Fifteenth street, Philadelphia. Owners, Old Men's Home, on premises. Architectural terra cotta, wire screens, structural steel, steel doors, iron stairs, plumbing, plastering, painting, glazing, carpentry, mill work, brick

work, kalamein doors. Contract awarded H. E. Grau Co., 1707 Sansom street, Philadelphia.

Garage, Northwest Corner Ninth and Flora streets, Philadelphia, \$32,000. Architect, private plans. Owners, Farmers' Market Co., Ninth and Girard avenue, Philadelphia. Brick, 1 story, 100x118 feet, slag roof, cement floors. Contract awarded to E. C. Durell, 1713 North Twenty-fourth street, Philadelphia.

Garage, Southwest Corner Chestnut avenue and Depot street, Philadelphia, \$8,500. Architect, private plans. Owners, Estate of Walter A. Dwyer, 116 East Chestnut avenue, Philadelphia. Stone, 1 story, 61 feet 10 inches x 59 feet 9 inches, cement floors. Contract awarded to George S. Roth & Sons, 230 East Graver's lane.

Residence, West side Lawndale street, South of Cottman street, Philadelphia, \$4,800. Architect, private plans. Owner, R. J. Jones, 3663 Mervine street, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, pine floors, electric light. Contract awarded to Louis Leitenberger Sons, 7345 Oxford street.

Garage (add.), Northwest Corner Mascher and Clearfield streets, \$4,500. Architect, private plans. Owner, Edward Drake, G and Tioga streets, Philadelphia. Brick, 1 story, 38x58 feet, slag roof, cement floors. Contract awarded to A. Earl Barnes & Co., 2044 East Clementine street.

Garage (alts.), 1128 American street, Philadelphia, \$10,000. Architect, private plans. Owner, James Hutton, Sr., care of builder. General alterations. Contract awarded to Harry Brocklehurst, 512 West Norris street.

Store and Residence (add.), 6329 Rising Sun avenue, Philadelphia, \$8,000. Architect, private plans. Owner, Louis Class, on premises. Brick, 47x34 feet 3 inches add., slag roof, pine floors, electric work. Contract awarded to George P. Bertram, 5911 North Warnock street, Philadelphia.

Residence, South side Alton street, East of Krewstown road, \$6,000. Architect, private plans. Owner, Ray Wenker, Bustleton, Philadelphia. Frame, 2 stories, 32x24 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Robert Matthews, 8032 Montague street, Philadelphia.

Residences (2), South side Fuller street, East of Loretta street, \$5,000 each. Architect, private plans. Owner, Joseph A. Hearn, 5136 Akron street, Frankford, Philadelphia. Brick, 2 stories, 14x38 feet, slag roof, hot water heat, electric work. Contract awarded to Banker & Drach, 110 Ryers avenue, Cheltenham, Pa.

Building (repairs), 134 North Seventh

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street, Philadelphia, \$5,000. Architect, private plans. Owner, James B. Lichtenberger, Colonial Trust Building, Philadelphia. General fire repairs. Contract awarded to Harry Bobb, 6232 Cedar avenue, Philadelphia.

Residences (2), East side Melrose street, North of Margaretta street, \$4,200 each. Architect, private plans. Owner, John Baloziewicz, 2613 Benner street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 46 feet, slag roof, pine floors. Contract awarded to Alex. Jastzowski, 4529 Bermuda street.

Residence (alts.), Northeast Corner Fortyninth and Warrington streets, \$4,000. Architect, private plans. Owner, M. Snyderman, 1203 Belmont avenue, Philadelphia. General alterations. Contract awarded to M. Levinson, 4225 West Girard avenue, Philadelphia.

Residence, Northeast Corner Fox and Coulter streets, Philadelphia, \$26,000. Architect, private plans. Owner, George M. Koch, Midvale and Stokley street, Philadelphia. Stone, concrete block, 3 stories, 42x29 feet 6 inches, 2 stories, 35x19 feet, hot water heat, electric light, hardwood and pine floors. Contract awarded to Bencker Realty Co., 6926 Market street, Philadelphia.

Store, 633-35 South street, Philadelphia, \$25,000. Architect, private plans. Owner, Harry Freeman, on premises. Brick, 3 stories, 26 x irregular, hot water heat, electric light, slag roof, pine floors. Contract awarded to Belinsky Brothers, 2630 South Ninth street, Philadelphia.

Store and Residence (alts. and add.), 2336 Ridge avenue, \$2,100. Architect, private plans. Owner, Samuel Jacobson, on premises. Brick, 1 story add., 20x11 feet, general alterations. Contract awarded to George E. Morris, 1954 North Croskey street, Philadelphia.

Building (alts.), Northwest Corner Twelfth and Columbia avenue, \$3,000. Architect, private plans. Owner, Bernard Berman, on premises. General alterations. Contract awarded

to Daniel Josephson, 5405 Walnut street, Philadelphia.

Service Station (add.), Northeast Corner Sixtieth and Woodland avenue, Philadelphia. Architect, private plans. Owners, Atlantic Refining Co., 260 South Broad street, Philadelphia. Brick, 1 story add., 12x16 feet. Contract awarded to Metzger, Fisher & White, Otis Building, Philadelphia.

Hospital (alts.), Northwest Corner Thirty-third and Lancaster avenue, \$10,000. Architect, private plans. Owners, Rush Hospital, on premises. General alterations. Contract awarded to Frank E. Wallace, 337 South Camac street, Philadelphia.

Residence, East side Palmetto street, North of Levick street, Philadelphia, \$5,500. Architect, private plans. Owner, Bernard G. Wise, Palmetto and Levick streets, Philadelphia. Stone and frame, 2 stories, 24 feet 6 inches x 31 feet 10 inches, hot water heat, electric light, hardwood and pine floors. Contract awarded to W. & R. Isles, 410 Levick street, Philadelphia.

Store and Residence (alts. and add.), 1991 North Sixty-third street, \$3,150. Architect, private plans. Owner, William Thomas, on premises. Brick, second story add., 14x19 feet, general alterations. Contract awarded to Thomas M. Cockerill, 2242 St. James Terrace, Philadelphia.

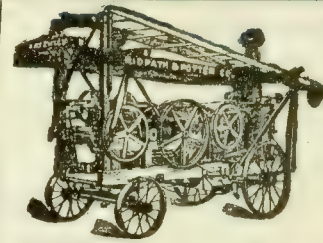
Residence, Northwest Corner Hoffnagle and Ferndale streets, Philadelphia, \$3,000. Architect, private plans. Owner, Albert Wunder, 3339 American street, Philadelphia. Brick, 2 stories, 26x38 feet, hot water heat, electric light. Contract awarded to Eugene Torries, 3351 North Second street, Philadelphia.

Garage, West side Fifty-fifth street, North of Chestnut street, Philadelphia, \$3,000. Architect, private plans. Owner, S. E. Walsh, 1504 Walnut street, Philadelphia. Brick, 1 story, 24x71 feet, slag roof, cement floors.

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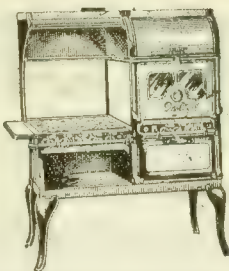
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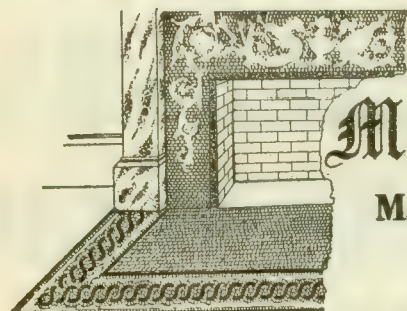


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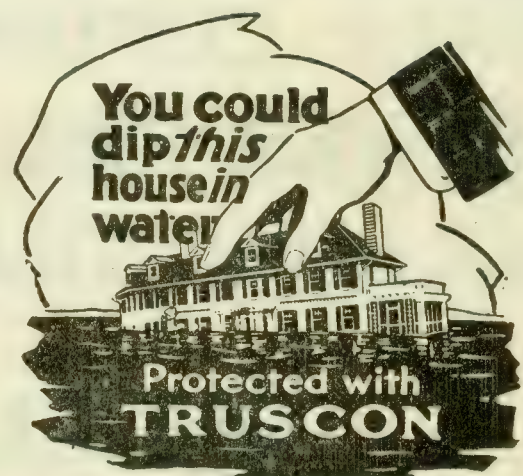
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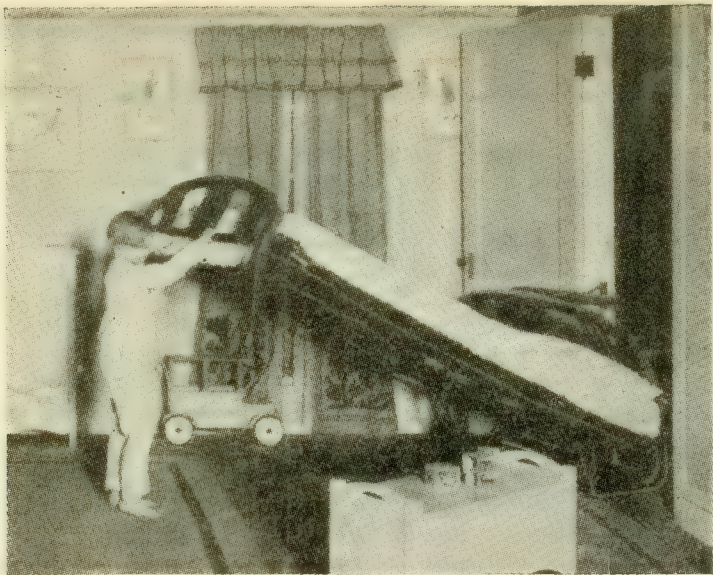
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Contract awarded to B. W. Glover, 6014 Chestnut street, Philadelphia.

Shop (add.), 2618 Ridge avenue, Philadelphia, \$3,000. Architect, private plans. Owner, Samuel Steinbricker, 2618 Ridge avenue, Philadelphia. Brick, 2 stories add., 8x12 feet. Contract awarded to National Const. Co., 259 North Thirteenth street.

Residence (add.), 1702 South Tenth street, Philadelphia, \$2,400. Architect, private plans. Owner, Di Angelio, 1702 South Tenth street, Philadelphia. Brick, 3 stories add., 13x17 feet, slag roof, pine floors. Contract awarded to N. Altarilli, 726 Fulton street, Philadelphia.

Residence (add.), 21 East Penn street, Philadelphia, \$2,000. Architect, private plans. Owner, Elizabeth Kucker, on premises. Brick, 2 stories add., 22 feet 6 inches x 3 feet 6

inches. Contract awarded to Sorber Carpentry Co., 18 Harvey street, Philadelphia.

Laundry (add.), 1913-15 East Willard street, Philadelphia, \$5,200. Architect, private plans. Owners, Earnest Finance Co., 307 Bulletin Building, Philadelphia. Brick, 1 story add., 23x36 feet. Contract awarded to John Taylor & Son, 2628 Braddock street, Philadelphia.

Residences (2), West side Shelbourne street, South of Passmore, Philadelphia, \$5,000 each. Architect, private plans. Owner, James L. Fox, 513 Cherry street, Norristown, Pa. Cement block, 2 stories, 15 feet 6 inches x 40

feet, hot water heat, electric light, hardwood and pine floors. Contract awarded to George W. Fox, 513 Cherry street, Norristown, Pa.

Residence (alts.), 4408 Locust street, Philadelphia, \$3,100. Architect, private plans. Owner, S. M. Higgins, on premises. General alterations. Contract awarded to Frank Audiotore, 6212 Upland street, Philadelphia.

Garage, 2509 West York street, Philadelphia, \$3,200. Architect, private plans. Owner, Julius Masters, on premises. Brick, 1 story, 25x46 feet 9 inches, slag roof, cement floors. Contract awarded to Harry S. Barnes, 2080 East Willard street, Philadelphia.

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Residences (40), Llanerch Hill, Pa. Architect Engineer, M. M. Boonin, 17 South 17th Street. Owner, Berman and Trattner, 6036 Market Street, Philadelphia. Stone, frame and stucco, 2 stories, 25x20 feet, slag and tile roof, oak, pine and hnoleum floors, hot water heat, electric light, tile bath. Owner taking sub-bids due as soon as possible.

Locker Building, New Golf Course, Bryn Mawr, Pa. Architect, Ralph E. White, Penna. Building, Philadelphia. Owner, Philadelphia Country Club, Bryn Mawr, Pa. Stone. Plans in progress.

Parochial School, Ridley Park Heights, Pa. Architect, Peter F. Getz, Victory Building, Philadelphia. Owner, Our Lady of Peace Roman Catholic Church, Rev. Aloysius Rees, Ridley Park Heights, Pa. Stone, brick. Plans in progress, ready for bids in a week.

Theatre, Stores and Apartment, Lehigh avenue and Oak street, Frackville, Pa. Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owner, Myer Parot, Frackville, Pa. Stone, steel, brick, frame, 2 stories, 45x150 feet, built-up roof, composition and pine floors, plumbing, stage equipment, interior decorating, copper bulks, plate glass, ornamental plastering, steam heat, electric light. Plans will be completed in two weeks. Owner will take general bids.

Garage Building, Shenandoah, Pa. Architect, John B. Thompson, 34 South Seventeenth street, Philadelphia. Owner, Jacob Wolf, Shenandoah, Pa. Reinforced concrete, steel, stone, brick, 4 stories, 40x150 feet, steam heat, electric light, plumbing, rolled steel sash, built-up roof, concrete floors, elevators, steel stairs, miscellaneous iron work. Plans will be completed in one week. Owner will take general bids.

Grade School (add.), Reading, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owners, Reading School Board, O. B. Heim, secretary, Reading, Pa. Fireproof, 2 stories and basement, 75x50 feet, 50x100 feet, built-up roof, elaterite floors, hollow tile, safety treads, roof ventilators, waterproofing and dampproofing, ornamental iron work, iron stairs, kalamein doors, tile and marlle, metal lath (heating, plumbing and electric separate). Owners about ready for bids.

Residence and Garage, Kennett Square, Pa. Architects, De Armond, Ashmead & Bickley, 20 South Fifteenth street, Philadelphia. Own-

ers, J. B. Swayne, care of architects. Stone, 2½ stories, 51x33 feet, 31x22 feet, slate roof, hardwood and cement floors, vapor heat, electric light, tile and marble work. Architects taking sub-bids.

Residence and Garage, Wynnewood, Pa. Architects, Charles Barton Keen & Wallace, 338 South Smedley street, Philadelphia. Owner, Herbert K. Ball, Wynnewood, Pa. Hollow tile, stucco, 2½ stories, slate roof, hardwood floors (heating, lighting, plumbing, tile work reserved). Architects ready for revised bids.

Residence and Garage, Cynwyd, Pa. Architect, private plans. Owner, William Darrach, Merion Title Building, Ardmore, Pa. Stone, 2½ stories, 30x42 feet, slate roof, hardwood floors, hot water heat, electric light, cement work, tile work. Architect taking sub-bids.

Bank Building, Willow Grove, Pa. Architect, T. Frank Miller, 1012 Walnut street, Philadelphia. Owners, Willow Grove Trust Co., Willow Grove, Pa. Stone, brick, steel, granite, 2 stories. Plans about completed. Architect will be ready for bids in one week.

Garage, Gettysburg, Pa. Engineer, C. F. Class, Eighteenth and Mulberry streets, Harrisburg, Pa. Owners, Bell & Plank, Gettysburg, Pa. Fireproof, 1 story, 80x160 feet, slag roof, concrete floors, metal lath, electric light, steel sash. Owners will build.

Mansion House (add. and alts.), Carlisle, Pa. Architect, F. G. Fahnestock, Patriot Building, Harrisburg, Pa. Owners, Shearer Brothers, Carlisle, Pa. Brick, 1 story, 22x36 feet, pine floors, electric light, plate glass, general alterations. Owners will build.

Residence, near Kennett Square, Pa. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner, L. Bothwell, Marshallton. Del. Stone, 2½ stories, 45x37 feet, 20x32 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble. Owner taking sub-bids.

Residences (5), Church road, Bryn Mawr, Pa. Architect, private plans. Owner, William Darrach, Merion Title Building, Ardmore, Pa. Stone, 2½ stories, 30x38 feet, slate and tile roof, hardwood floors, hot water heat, electric light, tile work. Owner taking sub-bids.

Fraternity Building, Lewistown, Pa. Architects, Whitman & Royer, 47 East Market street, York, Pa. Owners, B. P. O. E., care of W. P. Steinback, Lewistown, Pa. Brick, east stone, 4 stories and basement. Sketches in progress.

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Apartment (alts. and add.), Cricket and Athens avenue, Ardmore, Pa. Architects, T. B. Lippincott & C. F. Schaefer, 11 South Sixteenth street, Philadelphia. Owners, Athens Apartment Corp., care of architects. Reinforced concrete, brick, steel, cut stone, hollow tile, 2 wings, 40x83 feet, incinerators, stucco, plastering, metal lath, linoleum and treddle floors, natural cork floors, tin clad doors, kalamein doors, iron work, oak and pine floors, more or less finish, medicine cabinets and door beds, kitchen equipment, slag and tile roof, plumbing, electric, rolled steel skylights, ventilators. Architects taking bids.

Residence (alts. and add.), Bethlehem Pike, Pa. Architect, Edward F. Hoffman, Jr., 315 South Fifteenth street, Philadelphia. Owner, Mrs. William Redwood Wright, on premises. Cinder block, cut stone, 1 story, 16x19 feet (plumbing, heating, electric reserved), shingle roof, pine floors, painting and glazing, tile work, ornamental iron work, flagstone, carpentry and mill work, linoleum floors. Architect taking bids due October 15th.

Residence, Greenfield, Reading, Pa. Architects, Muhlenberg Brothers, 511 Penn street, Reading, Pa. Owner, Herbert Larson, Reading, Pa. Brick, 2½ stories, 60x30 feet, shingle roof, hardwood floors, tile work (heating, plumbing and electric reserved). Architects taking bids due October 15th.

Normal School, Bloomsburg, Pa. Architects, M. E. Kressly & Co., Commonwealth Building, Harrisburg. Owners, Bloomsburg State Normal School, Bloomsburg, Pa. Owners ready for revised bids due October 20th.

High School, Reading, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Reading School Board, Eighth and Washington streets, Reading, Pa. Plumbing and heating. Owners taking bids due October 20th.

Borough Building, Maryland avenue, West of Pennsylvania avenue, Borough of Prospect Park, Moore, Delaware County, Pa. Owners, Borough of Prospect Park, Moore, Delaware County, Pa., L. Leslie Galloway, secretary. Plans and specifications on file with Howard B. Bowman, 1110 Prospect avenue, Moore, Delaware County, Pa. Owners taking bids due October 23rd. Certified check 5 per cent. of amount of bid.

Keystone Building (alts.) to Offices, Third and Strawberry streets, Harrisburg, Pa. Architect, F. G. Fahnestock, Patriot Building, Harrisburg, Pa. Owners, Meyers & Kuhn, Harrisburg, Pa. General alterations, metal trim, partitions. Architect taking bids due October 15th.

Lumber, Chester, Pa. Owners, School Board of Chester, Pa., C. E. Sanderson, secretary. Lumber for vocational training, pattern shop, Chester High School. Owners taking bids due October 19th, 5 P. M.

Residence and Garage, Wynnewood, Pa. Architects, Charles Barton Keen & Wallace, 338 South Smedley street. Owner, Herbert K. Ball, Wynnewood, Pa. Hollow tile, stucco, 2½ stories, slate roof, hardwood floors. Architect taking revised bids due October 16th at noon.

Apartment Building, Highland Park, Delaware County, Pa. Architect, Henry L. Reinhold, Jr., 1513 Walnut street, Philadelphia. Owner, H. H. Magowan, Highland Park, Delaware County, Pa. Preliminary plans and specifications completed.

Fire House, Flourtown, Pa. Architect, A. H.

Savery, 1509 Locust street, Philadelphia. Owners, Flourtown Volunteer Fire Co., Louis C. Shannon, president of Building Committee, Flourtown, Pa. Stone, brick, hollow tile, stucco, 2 stories, 50x125 feet, slate and surface shingle roof, concrete, pine and hardwood floors, steam heat, electric light, plumbing. Owners taking bids due October 23rd.

Church, Sunday School and Parsonage, York, Pa. Architects, Whitman & Royer, 47 East Market street, York, Pa. Owners, Second United Brethren Church, Rev. A. M. Horn, York, Pa. Stone, 1 story and basement

and 2 stories, 180x82 feet, 36x48 feet, slate roof, hardwood and pine floors, waterproofing and dampproofing, leaded glass, vapor heat, electric light, metal lath, tile work (organ reserved). Architects taking bids due October 15th.

Residences (3), Lancaster, Pa. Architect, M. R. Evans, 104½ East Orange street, Lancaster, Pa. Owner, Frank Trisler, 213 North Duke street, Lancaster, Pa. Cinder block and stucco, 2½ stories, slate roof, hardwood floors, vapor heat, electric light, tile work. Owner taking bids.

PENNSYLVANIA

Contracts Awarded

Club House (add.), Pottstown, Pa. Architect, Carl P. Berger, 1512 Walnut Street, Philadelphia. Owner, L. O. O. M., Pottstown, Pa. Contract awarded F. H. Keiser, Co., Pottstown, Pa.

Phi Delta Theta Lodge, Swarthmore, Pa. Architect, Edward L. Tilton, 141 East Forty-fifth street, New York City. Owners, Swarthmore College, Dr. Frank Aydelotte, Swarthmore, Pa. Stone, steel, 2 stories and basement, 36x40 feet, gray slate roof, oak and cement, pine floors, steam heat, electric light, metal lath, tile and marble work, bond, ornamental iron work, integral waterproofing, flagstone, plumbing, wrought iron pipe. Contract awarded McNeill Const. Co., Schaff Building, Philadelphia.

Office Building, South Second street, Harrisburg, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Modern Utilities Co., Fifteenth and Mayflower streets, Harrisburg, Pa. Structural steel, brick and stone, 2 stories, 50x50 feet, built-up roof, composition tile floors, hollow tile, safety treads, roof ventilators, metal window guards, tile work, electric light (heating, plumbing and electric separate bids). Contract awarded to W. E. Bushey, Lemoyne, Pa.

Residence and Garage, Wynnewood, Pa. Architect, Richard A. Kerns, 109 South Twenty-second street, Philadelphia. Owner, Clarence Gallagher, care of architect. Stone, hollow tile, stucco, 2 stories, 84x37 feet, 2-car garage, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Contract awarded Wynnewood Realty Co., Wynnewood, Pa.

Residence and Garage, Willow Grove, Pa. Architects, Seeburger & Rabenold, 1524

Chestnut street, Philadelphia. Owner, William L. Raiser, care of architect. Stone, cut stone, 2½ stories and basement, 47x23 feet, granite 20x25 feet, Vermont slate roof, oak, pine and cement floors, plumbing, hot water heat (electric light reserved), metal lath, tile and marble, bond, plumbing. Contract awarded D. W. Sperry, Jefferson Building, Philadelphia.

Residence, Narberth, Pa. Architects, The Stuckert Co., 4-rozer Building, Philadelphia. Owner, A. L. Wollert, Narberth, Pa. Concrete block and stucco, 2½ stories, hot water heat, electric light, tile work, hardwood floors. Contract awarded W. D. & H. T. Smedley, Narberth, Pa.

Apartment, Second street, Harrisburg, Pa. Architect, F. G. Fahnestock, Patriot Building, Harrisburg, Pa. Owner, Ephraim Bronner, 1702 North Third street, Harrisburg, Pa. Brick, 2½ stories, 34x46 feet, slate roof, hardwood floors, vapor heat, electric light, metal lath. Contract awarded to J. B. Thomson, care of architect.

Residence, Wynnewood, Pa. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owner, Dr. B. P. Widmann, 257 South Sixteenth street, Philadelphia. Stone, 2½ stories, 38x27 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to John Maher, Trenton, N. J.

Store and Offices, Church and Hamilton streets, Allentown, Pa. Architect, M. B. Dechant, 632 Washington street, Reading, Pa. Owners, American Medicine Co., J. B. Waidehlich, 42 North West street, Allentown, Pa. Brick, 5 stories, 30x160 feet, hardwood floors, plate glass, tile work, electric light. Contract awarded to L. W. Hunsicker, 821 Chew street, Allentown, Pa.

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Factory, Reading, Pa. Architect, Calvin J. Young, 226 North Sixth street, Reading, Pa. Owners, Reading Maid Hosiery Co., Hyde Park, Reading, Pa. Steel, brick, concrete, 1 story, 94x247 feet, built-up roof, composition floors, electric light. Contract awarded to H. J. Raudenbush, 1324 Perkiomen avenue, Reading, Pa.

Convent, Mahanoy City, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owner, care of Rev. P. C. Chesnas, Mahanoy City, Pa. Frame, brick, 3 stories and basement, 26x62 feet, slate roof, pine floors. Contract awarded to Tamaqua Const. Co., Tamaqua, Pa.

Athletic Field, Upper Darby, Pa. Architect, Louis S. Adams, Radnor, Pa. Owners, Upper Darby School Board, Upper Darby, Pa. Contract awarded R. H. Johnson & Co., Wayne, Pa.

Service Station, 541 West Market street, York, Pa. Architects, Whitman & Royer, 47 East Market street, York, Pa. Owner, L. B. Smith, Rothsville, Pa. Brick, steel, 1 story, 80x26 feet, composition roof, concrete floors, vapor heat, electric light, steel sash. Contract awarded to S. D. Tressel, West York, Pa.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Bradford County, R-15, Rome Borough and Rome Township, \$62,907.70. Contract awarded to Lane Const. Corp., Meriden, Conn.

Butler County, A-3663, Summit Township, \$77,057.34. Contract awarded to Winter & Yapple, Erie, Pa.

Huntingdon County, A-2826, Wood Township, \$59,833.69. Contract awarded to Colgan & Kelley, Lewistown, Pa.

Susquehanna County, Bridge, Route 10, at Halstead, \$123,530.50. Contract awarded to DuBois Const. Co., DuBois, Pa.

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Lodge Building, Bridgeton, N. J. Architect, T. Edward Ash, 1012 Walnut street, Philadelphia. Owners, Bridgeton Lodge of Eagles, Bridgeton, N. J. Stone, brick, limestone, 3 stories, stores and lodge building. Working plans in progress.

Office Building, Broadway and Cooper streets, Camden, N. J. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owner, John O. Wilson, 336 Market street, Camden, N. J. Brick, steel, 12 stories and basement, 43x140 feet. Plans nearly completed.

Church and Sunday School, Chestnut Ridge, N. J. Architect, Amos W. Barnes, Perry Building, Philadelphia. Owners, First Presbyterian Church, Chestnut Ridge, N. J. Brick and Indiana limestone, stone foundations, main floor and basement, steam heat, electric light, slate roof, maple floors, kitchen, dining room, recreation room in basement. Plans in progress. Architect will be ready for bids on Sunday School in three weeks.

Apartment and Stores (alts.), North Warren street, Trenton, N. J. Architect, J. P. Pette, Forst Richey Building, Trenton, N. J. Owner, Joseph Plumere, American Mechanics Building, Trenton, N. J. Brick, 4 stories, 30x80 feet, general alterations. Plans in progress.

Grade School, Rariton, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owners, Rariton School Board, George Hope, secretary, Rariton, N. J. Brick, steel, 2 stories, 95x70 feet, slate roof, maple floors, hollow tile, safety treads, metal ceilings, fire doors, tile and marble, metal lath (heating, plumbing and electric separate). Plans in progress.

Church, Florence, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owners, Baptist Church, Rev. Charles Engel, Florence, N. J. Brick, stone, 1 story and basement, 60x90 feet, steam heat, electric light, tile and marble. Plans in progress.

Residence, Sea Girt, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owner, Harvey S. Moore, Broad Street Bank Building, Trenton, N. J. Frame, 2 stories, 24x30 feet, shingle roof, hardwood floors, tile work, electric work. Plans in progress.

Residence, Sea Girt, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owner, J. H. Thompson, Trenton, N. J. Frame, 2 stories, 24x30 feet, shingle roof, hardwood floors, tile work, electric light. Plans in progress.

Office Building, Northeast Corner Fourth and Market streets, Camden, N. J. Owners, Phil. Glassman and Lewis Tendler, Commercial Trust Building, Philadelphia. Stone, brick, steel, 15 stories. Work contemplated.

Residence and Garage, Park and Boulevard, Camden, N. J. Architects, Moffett & Ergood, 140 Market street, Camden, N. J. Owner, Aaron Heinle, care of architects. Brick, 2 stories, 34x39 feet. Plans in progress.

Residence and Garage, Camden, N. J. Architects, Moffett & Ergood, 140 Market street, Camden, N. J. Owner, L. Sakin, care of architects. Concrete block and stucco, 2½ stories, 28x45 feet, slate roof, pine and hardwood floors, electric light. Plans in progress.

Hotel (add.), Cooper and Federal streets, Camden, N. J. Owners, The Walt Whitman Hotel, care of Mr. Scott, on premises. Stone, brick, steel, 8 stories. Work contemplated.

Residences (2), 2939-41 North Congress road, Camden, N. J., \$8,000. Architect, private plans. Owners, Eugene Brunner & Son, 2760 North Congress road, Camden. Block

and stucco, 2 stories, 16x40 feet, slag roof, electric light. Permit granted.

Junior High School, Blackwood, N. J. Architect, Thomas Stephen, Temple Building, Camden, N. J. Owners, care of Jacob Price, Glendora, N. J. Brick, steel, reinforced concrete, 2 stories and basement, 106x130 feet, slate and slag roof, hardwood floors, hollow tile, safety treads, roof ventilators, cast stone, ornamental iron, concrete stairs, metal lath (heating, plumbing and electric work separate). Architect and owner ready for bids.

New Jersey Contracts Awarded

Hotel, Atlantic City, N. J. Owner, Eastbourne Hotel Co., H. S. Hamilton, Atlantic City, N. J. Reinforced concrete, brick, steel, 7 stories, 48x47, slag roof, cement and oak floors, shoring, ornamental iron work, iron stairs, bond, rolled steel sash, tile and marble work, metal lath, (heating, plumbing and electric work, kitchen equipment, refrigeration, plant reserved, precast stone. Contract awarded S. Headley, Guarantee Trust Building, Atlantic City.

Residence, King's Highway, Haddon Heights, N. J. Architect, Carl P. Berger, 1512 Walnut Street, Philadelphia. Owner, Hon. Ralph W. Donges, 711 Cooper Street, Camden, N. J. Stone, 2½ stories, 38x80 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded C. E. Widell, Woodlynne, N. J.

Apartments, 307 East Magnolia avenue, Wildwood, N. J. Architect, private plans. Owner, T. J. Doyle, 5815 Master street, Philadelphia. Frame, stucco, 3 stories, 30x80 feet, shingle roof, pine floors, arcola heat, electric light. Contract awarded C. J. Scully & Son, 3711 Hollybeach avenue, Wildwood, N. J.

Residences and Garages (200), Moorestown, N. J. Architect, private plans. Owner, A. J. Collings, Moorestown, N. J. Frame, shingle and weather boards, hollow tile and stucco, frame and stucco, 2½ stories, various sizes and styles, shingle and slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded Stewart L. Haines, Moorestown, N. J. Will be ready for sub-bids in a short time.

Residence, Tisdale Place, Woodbridge, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owner, Fred A. Briegs, care of architects. Stucco, hollow tile, 2½ stories, 28x38 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to F. Baldwin, Woodbridge, N. J.

Residences and Garages (2), 16 and 18 South Thirty-fifth street, Camden, N. J., \$8,000. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, M. Aristone, 3502 Westfield avenue, Camden, N. J. Brick, 2 stories, 16x44 feet, slag roof, hot water heat, electric light. Contract awarded to Joseph Vincent, Bellmar Heights, N. J.

Residences (16), 1314-46 Thurman street, Camden, N. J., \$56,000. Architect, private plans. Owner, Harry Lechman, Camden, N. J. Brick, 2 stories, 14x40 feet, slag roof, pine floors, warm air heat, electric light. Contract awarded to Anthony Waconik, 907 Atlantic avenue, Camden, N. J.

Residences (2), 1314-16 Chase street, Camden, N. J., \$8,000. Architect, private plans.

Owner, E. Burtak, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 43 feet, slag roof, hot water heat, electric work. Contract awarded to John A. Harris, 11 Jasper street, Camden, N. J.

Garage and Warehouse, Trenton, N. J.,

\$2,500. Architect, private plans. Owners, Circle F Manufacturing Co., Trenton, N. J. Steel, cement block, 88x25 feet, slag roof, concrete floors, electric light. Contract awarded to Horace Swasey, 543 Perry street, Trenton, N. J.

DELAWARE

Construction News

Factory, Wilmington, Del. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owners, Topkis Brothers Co., 217 French street, Wilmington, Del. Brick, reinforced concrete, steel, cut stone, 4 stories and basement (plumbing, heating, electric, elevators, sprinkler separate), slag roof, cement and maple floors, hollow tile, painting and glazing, rolled steel sash, fire and kalamein doors, bond, ornamental iron work, metal toilet partitions, elevator doors. Architect taking bids due October 15th.

Residences (8), Twenty-eighth street, Wilmington, Del., \$5,000 each. Architect, private plans. Owner, James P. Jones, Jr., 3101 Jefferson street, Philadelphia. Brick, 2 stories, 20x28 feet, slag roof, pine floors, hot air heat, electric light. Owner will build.

Residences (3), 921-23-25 South Broome street, Wilmington, \$4,000 each. Architect, private plans. Owners, Liberty Housing Co., 2000 Maryland avenue, Wilmington. Brick, 2 stories, 20x28 feet, slag roof, pine floors, hot water heat, electric light. Owners will build.

Residences (3), West Sixth street, Wilmington, Del., \$5,000. Architect, private plans. Owner, William E. Hendrix, 803 Shipley street, Wilmington, Del. Stone, brick, 2 stories, 18x28 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

Residences (6), 712-14-16-18 Coverdale road and 716-18 Nottingham road, Wilmington, Del., \$9,000 each. Architect, private plans. Owner, Charles W. Gooding, Jr., 810 West Twenty-third street, Wilmington, Del. Stone and brick, 2½ stories, (4) 22x34 feet and (2) 22x45 feet, slate roof, hardwood floors, hot water heat, electric light. Permit granted.

Residences (8), 300-02-04-06 and 400-02-04-06 West Thirty-fourth street, Wilmington, Del., \$5,000 each. Architect, private plans.

Miscellaneous Construction News

New Plant, Baltimore, Md. Architect, C. B. Comstock, 110 West Fortieth street, New York City. Owners, Ward Baking Co., Baltimore, Md. Reinforced concrete, brick, steel, granite, 3 stories and basement, 390x151 feet, slag roof, cement, asphalt and maple floors, metal lath, tile, marble and terrazzo work, rolled steel sash, copper skylights, hollow metal doors, bond, ornamental iron work, brass pipe, Membrane waterproofing, architectural terra cotta, galvanized iron sash, steel rolling doors, cork insulation, wood block floors, plumbing. Architect taking bids due October 21st.

Miscellaneous Contracts Awarded

Buildings, Somerville, Mass. Architect, Albert Kahn, Marquette Building, Detroit, Mich. Owners, Ford Motor Co., Detroit, Mich. Brick, concrete, cut stone, limestone, 300x1200 feet, 1 story, cement, tile, built-up roof, asbes-

tos roof, cement, wood block floors, painting, waterproofing and dampproofing, ornamental iron work, iron stairs, bond, steel and kalamein doors, rolled steel skylights, tile and marble work, terrazzo work, metal lath, caisson, piles, pile driving, metal toilet partitions (plumbing, electric, sprinkler system, steel sash, steel sash operators separate bids) (structural steel work reserved). Contract awarded Blair Const. Co., Memphis, Tennessee.

Dormitory, Newark, Del. Architects, Day & Klauder, Franklin Bank Building, Philadelphia. Owners, Delaware University, on premises. Low bidder, James H. Hutchinson, Newark, Del., \$134,900.

Road Work, Delaware. Owners, State Highway Department, Dover, Del. Low bidders on work received October 7th:

Contract CN19B, Lum's Pone, .25 mile. F. W. Lovett, Newark, Del., \$10,870.40.

Contract C.19C, grading Summit Bridge Approach, .41 mile. William T. Staats, York, Pa., \$5,202.

Contract CS38, Vines Creek-St. George's Church, 3.05 miles. George & Lynch, Dover, Del., stone \$80,647.50, slag \$78,667.50.

Contract CS46, Cannon-Atlanta, 2.12 miles. George & Lynch, Dover, Del., stone concrete pavement, metal joint \$60,906, non-metal joint \$60,234; slag concrete pavement, metal joint \$59,751, non-metal joint \$59,079.

Delaware Contracts Awarded

Boiler House and Laundry, Wilmington, Del. Architect, R. P. Schoenijahn, Industrial Trust Building, Wilmington. Owners, Homeopathic Hospital, 1501 Van Buren street, Wilmington. Brick, 1 story, 31x62 feet, slate roof, concrete and composition floors, roof ventilators, plate glass, sheet metal work, steel work, electric light, rolled steel sash. Contract awarded to W. D. Haddock & Co., 804 Orange street, Wilmington.

tos roof, cement, wood block floors, painting, waterproofing and dampproofing, ornamental iron work, iron stairs, bond, steel and kalamein doors, rolled steel skylights, tile and marble work, terrazzo work, metal lath, caisson, piles, pile driving, metal toilet partitions (plumbing, electric, sprinkler system, steel sash, steel sash operators separate bids) (structural steel work reserved). Contract awarded Blair Const. Co., Memphis, Tennessee.

Residence, Garage and Gardeners' Cottage, Winston-Salem, N. C. Architects, Charles Barton Keen & Wallace, 338 South Smedley street, Philadelphia. Owner, Robert E. Follin, care of architects. Brick, cut stone, concrete, 2½ stories and basement, 1 story, 60x31 feet, wing 31x17 feet, tea house 18x8 feet, servants' house 16x18 feet, garage 26x16 feet, tile, Barrett Specification roof, tin roof, oak, pine and cement floors, waterproofing, ornamental iron work, bond, trusecon or Medusa waterproofing, hardware, incinerator, soundproofing, hardware, stair work, metal lath, painting, glazing (plumbing, heating, electric, tile, linoleum floors, range work, insect screens, weather stripping, finished hardware, hardwood floors reserved). Contract awarded Fogle Brothers, Winston-Salem, N. C.

Court House (alts. and add.), Rappahannock, Virginia. Architect, E. C. May, Dupont Building, Wilmington, Del. Owners, Borough of Rappahannock, care of architect. Brick, stone, 2 stories, 50x150 feet, slate roof, tile floors, steam heat, electric light, tile and marble, general alterations to old building. Contract awarded to L. T. Collins, Richmond, Va.

The impractical dreamers are not the architects, but the clients themselves, as a rule.

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THERE IS STILL A BUILDING SHORTAGE

Here Are the Results of a Country Wide Survey Made by Building Age and National Builder

SEVERAL items have recently appeared in our newspapers and general magazines stating that: owing to the large volume of construction already accomplished, the building shortage was overcome, and that, after 1925, building activity would be limited only to our normal building needs.

Is there any foundation for these rumors?

The great question is:

What is the building situation today?

Has the phenomenal amount of building activity in the last few years overcome the great shortage resulting from the cessation of practically all building construction during the world war period?

The answer to this question is presented herewith—the result of a survey made by *Building Age* and *National Builder* through the various Chambers of Commerce in the United States.

Four years ago, and again two years ago, we made a similar survey which proved helpful to the building industry in particular, and to the nation generally. The record-breaking amount of building construction during last year and this year has been credited as the greatest factor in the prosperity of the United States. The present survey, it is hoped, will be found as valuable as our previous surveys, covering similar building needs.

The figures here presented are based on facts. In the present instance, a questionnaire was addressed to the Chambers of Commerce, Boards of Trade, or other commercial organizations in various cities and towns throughout the United States. We received reports from over 700 cities and towns and, of these, 590 gave complete detailed reports on which we could base our figures.

These reports are not confined to any one state or section but come from every

state in the Union so that the figures given can fairly be relied upon, according to the general law of averages, as representing the building needs of the United States at the present time.

One of the most interesting facts revealed by our investigation is that, despite the large amount of buildings constructed in our cities, there is still today a very considerable shortage of homes and other buildings in our cities of over 25,000 population.

The biggest needs for such buildings seem to be in cities of between 25,000 and 75,000 population, which indicates that small cities are growing rapidly in population. This is borne out by reports from different government departments, financial institutions, and real estate associations.

There has been a decided movement of our population to the suburbs from the larger cities, but the larger cities

Building Construction Required in the United States

Based on Information from The Chambers of Commerce in 590 Cities and Towns

TYPE OF BUILDING	287 Cities		2,501 Towns and Cities		Rural	
	Over 25,000 Population		2,500-25,000 Population		Below 2,500 Population	
	Number	Value	Number	Value	Number	Value
Residences:						
1-family, under \$5,000..	73,512	\$294,048,000	80,893	\$403,572,000	60,000	\$240,000,000
1-family, \$5,000-\$10,000..	44,918	359,344,000	24,844	198,752,000	32,000	256,000,000
1-family, over \$10,000..	14,251	356,245,000	4,683	117,075,000	1,500	18,750,000
2-family	27,910	279,100,000	6,094	60,940,000	144	1,152,000
Apartments	7,053	528,975,000	2,776	107,708,800		
Total Residential	167,644	\$1,817,712,000	119,290	\$888,047,800	93,644	\$515,902,000
Churches	272	27,472,000	358	17,736,394	300	3,000,000
Schools	394	65,732,000	1,019	70,535,180	936	23,400,000
Hospitals	128	28,381,000	468	25,974,936	20	500,000
Theatres	283	30,903,000	502	29,923,216	10	100,000
Garages—Public	599	12,541,000	476	9,119,684		
Garages—Private	53,059	20,640,000	17,453	8,325,081	46,000	9,200,000
Banks	144	52,036,000	182	13,950,482	93	930,000
Hotels	234	84,956,000	958	135,459,494	40	2,000,000
Stores	2,415	27,159,000	2,449	28,751,260	200	1,000,000
Factories	800	79,893,000	639	29,473,875	60	1,200,000
Office Buildings	445	90,693,000	173	15,195,455	10	200,000
Public Buildings	227	60,434,000	686	41,496,140	20	500,000
Miscellaneous	31	9,104,000	547	12,254,988	15	300,000
Total	226,675	\$2,407,656,000	145,200	\$1,326,243,985	141,348	\$558,232,000

Building Requirements of 590 Cities and Towns

Based on Figures Furnished "Building Age and National Builder" September, 1925, by
Chambers of Commerce

TYPE OF BUILDING	84 Cities Over 25,000 Population		506 Towns and Cities 2,500-25,000 Population	
	Number	Value	Number	Value
Residences:				
1-family—under \$5,000	17,682	\$70,728,000	25,290	\$101,160,000
1-family—\$5,000-\$10,000	7,332	58,656,000	7,734	61,872,000
1-family—over \$10,000	1,552	38,800,000	1,946	48,650,000
2-family	1,785	17,850,000	2,100	21,000,000
Apartments	482	36,150,000	927	35,967,600
Total Residential	28,833	\$222,184,000	37,997	\$268,649,600
Churches	33	3,355,000	126	6,242,500
Schools	71	11,845,250	209	12,477,000
Hospitals	29	6,430,000	123	6,836,800
Theatres	67	7,340,000	128	7,630,000
Garages	74	1,550,000	107	2,050,000
Garages—Private	5,032	1,958,000	9,247	4,442,600
Banks	11	3,975,000	43	3,296,000
Hotels	44	15,975,000	244	35,380,000
Stores	386	4,441,000	571	6,704,000
Factories	71	7,090,500	144	6,642,080
Office Buildings	95	19,361,500	73	6,412,000
Public Buildings	65	17,305,000	181	10,950,000
Miscellaneous	6	1,762,000	168	3,741,000
Total	34,817	\$324,572,250	49,361	\$381,453,580

themselves still continue to increase. The reports of real estate transactions show remarkable activity in the sale of lots for homes, etc., in our smaller cities that are suburbs of our larger cities.

Our figures disclose that, though apartment houses still find favor in our smaller cities, the demand for them in the smaller cities is not so very heavy, and that the greatest apartment house demand is still in the large cities.

There is very great demand throughout the United States for small one family houses, especially those costing less than \$5,000. This demand has not been met to any great extent despite the past three years of abnormal building.

Our report shows that nearly 220,000 of such buildings are still needed today in the United States to bring the demand back to a normal basis.

Our report further discloses that over 100,000 single family houses costing from \$5,000 to \$10,000 are needed.

The greatest single need then, that the building industry must do its best to fill if we are to overcome the housing shortage, is for moderate cost single family dwellings.

We have been spending money for

higher grade buildings but have been ignoring the small home structure.

There has been a decided tendency in the last few years for people to own a home of their own rather than to rent either a house or an apartment.

What Our Figures Do Not Show

Our figures do not include farm buildings other than dwellings. The present number of farms in the United States, making allowance for a reasonable increase since 1920 when the number of farms reported was 6,448,000, must at present be fully 6,500,000. The total number of buildings on these farms, other than dwellings, is, according to the best available information, about 42,250,000. These, estimated at a conservative figure, have an average money value of \$300 each.

There is an average of seven and one-half buildings for each farm, divided as follows for each 100 farms; houses, 100; graineries, 67.4; hog houses, 67.7; chicken houses, 90; cattle sheds, 45; corn cribs, 66.8; silos, 23.3; barns, 134; woodsheds, 54.7; garages, 48.7.

It is very conservative to consider 50 years to be the average life of the average farm building. This would mean,

then, a replacement of practically 907,500 farm structures each year.

It is only within the past year that the farmer has been in a position to do much new building. It is reasonable to assume that it will take two years to catch up with normal requirements, both for new buildings and for the replacement of old ones. There is then a shortage of approximately 1,819,800 structures. At an average value of \$300 each, these amount to a total of \$545,940,000.

Lest these figures seem high, consider that there are not less than 6,500,000 farms in the United States. This means that this new construction needed would amount only to \$84 for each farm—a very moderate estimate indeed.

Another class of structures must be considered in connection with a survey of farming community needs. The farmer is now equalizing prices of his products by building storage houses so that he is no longer under the necessity of selling immediately following harvests.

It is also not unreasonable to assume that, in addition to the public warehouses, small subsidiary warehouses will be built by the farmers themselves and the value of these is estimated to be \$1.250,000. These items, added to that for other new

buildings, make a grand total of \$549,690,000 for rural needs, exclusive of the \$558,232,000 needed for residences and other structures as given in our first table. These total to \$1,107,922,000.

The money value of the present building shortage therefore totals as follows:

Total Building Shortage	
Cities of over 25,000 population	\$2,407,656,000
Cities and Towns of 2,500 to 25,000	1,326,243,985
Rural	1,107,922,000
Military and Naval Building	2,000,000
Public Works	400,000,000
	\$5,243,821,985

In making estimates of the cost of the various buildings given in this survey, the price is based on averages from all reporting. These are given in the following table:

Average Costs of Buildings

Based on Reports from 590 Cities and Towns

Type of Building	Average Costs			Estimated Costs Building Dept. *Figures
	Cities Over, 25,000	Towns and Cities 2,500-25,000	Rural Under 2,500	
Residences:				
1-family, under \$5,000	\$4,000	\$4,000	\$4,000	\$4,208
1-family, \$5,000-\$10,000 ..	8,000	8,000	8,000	
1-family, over \$10,000	25,000	25,000	12,500	
2-family	10,000	10,000	8,000	6,632
Apartments	75,000	38,800		45,074
Churches	101,000	49,543	10,000	39,994
Schools	166,834	69,220	25,000	155,035
Hospitals	221,724	55,502	25,000	127,284
Theatres	109,552	59,608	10,000	65,376
Garages (public)	20,937	19,159		8,993
Garages (private)	389	477	200	464
Banks	361,363	76,651	10,000	
Hotels	363,060	141,393	25,000	473,668
Stores	11,246	11,740	5,000	11,070
Factories	99,866	46,125	10,000	23,202
Office Buildings	203,805	87,835	20,000	99,758
Public Buildings	266,230	60,490	25,000	94,688
Miscellaneous	293,666	22,404	20,000	4,276

*From Building Department Reports for 277 Cities.

This table presents:

First, the average price of the different structures in large cities.

Second, the average price of the same structures in towns and small cities.

Third, the average prices in the rural districts (comprising towns under 2,500 population and farming communities.)

By way of comparison, we give similar estimates for the same type of structure found in reports of estimated costs taken from the building permits of 277 cities having building departments.

In the majority of these cases it will be noted that the estimate of the costs in the building permits are under our figures but we must remember that the actual cost in most cases will be found to average more than the first estimate given in the building department application. We consider, therefore that our figures are more reliable as showing actual average costs at the present time.

Well worth noting is the average cost computed for private garages in towns of over 25,000 population and in towns of 2,500 to 25,000. In the first case unit cost is given at \$389, while the small town reports an average cost of \$477. Interpreting this difference in unit value, it is inferred that while the construction of the small city private garage is less expensive, provisions are made in many cases for two or more cars, while in larger cities this type of structure is not so common.

Again, the average costs of schools in both rural districts and in towns below 25,000 is given to be higher than that computed a few years ago. This increase is due to the present educational policy of erecting better school buildings, each one to serve a larger territory than formerly. In short, the little school-house, so much in vogue a decade ago,

be made up before normal conditions again prevail. Each year, of course, brings its own amount of normal building which increases year by year as population increases.

Figures in another part of this article disclose the amount of homes that are needed every year to meet the annual increase in population, but besides homes we have to erect various other structures to accommodate this annual increase of population. They need places to work in, places in which to buy things, places in which to worship, amusement places, hospitals, educational buildings, etc.

We can better visualize the annual building needs of the United States when we state that it is necessary each year to build in the aggregate a city the size of Philadelphia with all its various kinds of buildings and industries! And this is the third largest city in the United States with a population of 1,873,070 (1920 census figure).

Statement of the Ownership, Management, Circulation, etc.

Statement of the ownership, management, circulation, etc., of The Builders' Guide, published weekly at Philadelphia, Pa., required by the Act of August 24, 1912, for October 1, 1925.

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Known bondholders, mortgages and other security holders holding one per cent. or more of total amount of bonds, mortgages or other securities, none.

(Signed)

Building News Publishing Co.,

Louis S. DeLone, Business Manager.

Sworn and subscribed before me this 14th day of September, 1925.

H. A. Lang, Notary Public.

(My commission expires March 2, 1929.)

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Homes Needed Annually Due to Increasing Population

That some idea may be given of the normal requirements for housing, we must consider that the increase in population, 1,873,076 annually, amounts to 5,132 persons per day. The average number of persons in a family is five, so it is absolutely necessary for the United States to provide 1,026 new homes every day in the year! As there are 365 days in a year, this means that annually there are 374,615 homes needed in this country. To this, should be added replacements of existing structures made necessary by decay, fire loss, etc.

Our figures disclose that as we enter 1926 the actual building situation is still over a year behind, and this shortage, plus normal annual requirements, has to

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Entered at the Philadelphia Post Office as Second-Class Matter

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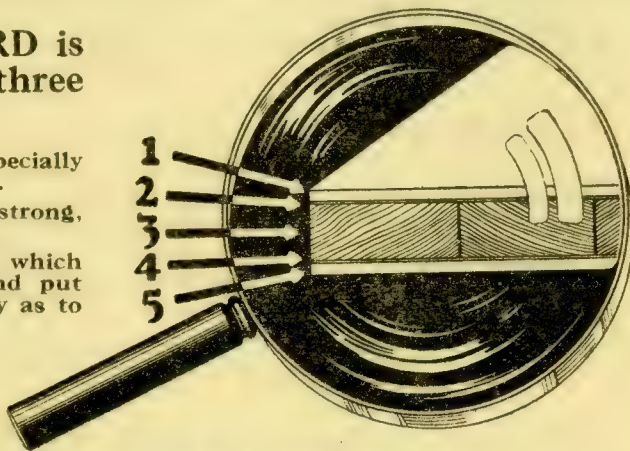
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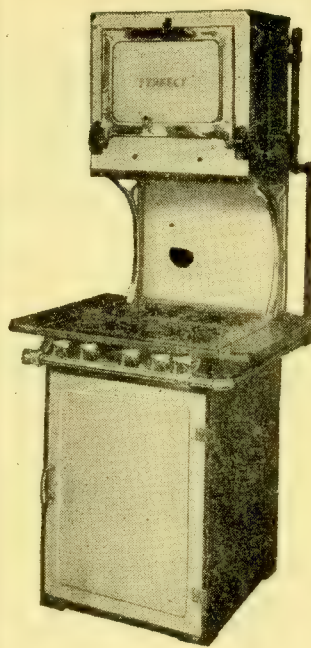
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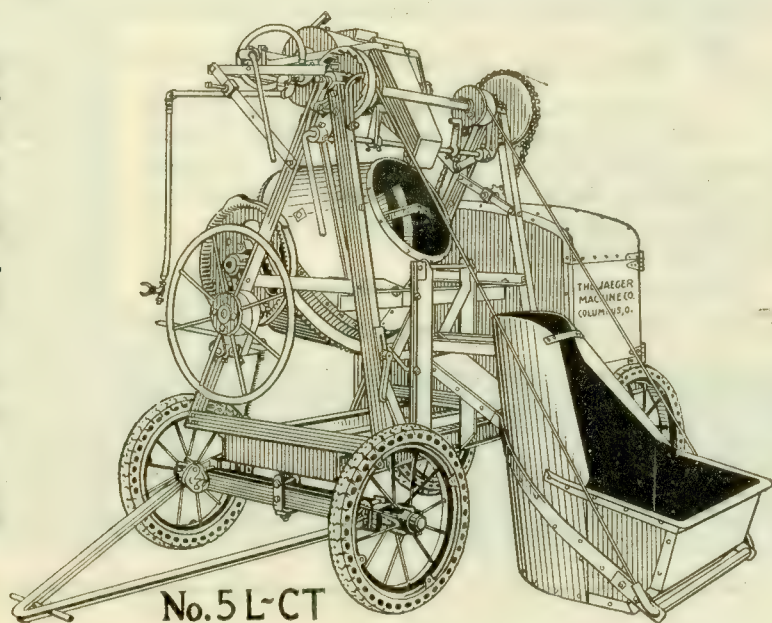
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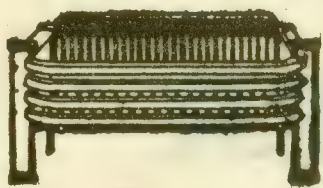
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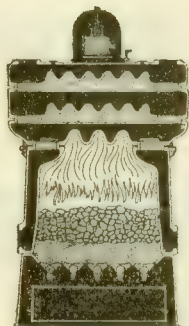
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural

VOLUME XL

Number 42

Engineering and the Building Trades

PHILADELPHIA

October 21, 1925

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Office and Residence (Alts.), 1308 S. 16th St., Phila. Architect E. Allen Wilson, 1208 Chestnut St., Phila. Owner, Fred S. Fox, 1308 S. 16th St., Phila. Interior alterations, new front, limestone, hot water heat, electric light, plumbing, painting, metal bulks, ornamental iron work. Plans in progress. Owner will take sub-bids in two weeks.

Store and Dwelling (Alts. to Store and (2) Apartments, 1602 N. 52nd St., Phila. Architect, E. Allen Wilson, 1208 Chestnut St., Phila. Owner William Evans, on premises. Brick, 1 story, hot water heat, electric light, slag roof, hardwood floors, plumbing, metal bulks. Plans in progress. Architect will take general bids in two weeks.

Residence, Mt. Pleasant Ave. and Green St., Germantown. Owner, Samuel Moyerman, Lincoln Building, Phila. Work contemplated, will build in 1926.

Residence, Park Line Drive and Lincoln Drive, Philadelphia, \$100,000. Architect, Edmund B. Gilchrist, 1618 Latimer street, Philadelphia. Owner, Benjamin Dintenfass, 263 South Fifteenth street, Philadelphia. Stone, 2½ stories, electric light, tile and marble work, slate roof, hardwood floors. Plans about completed. Architect will be ready for bids in one week.

Residence and Garage, Chestnut avenue, Chestnut Hill, Pa. Architects, Dreher & Churchman, Otis Building, Philadelphia. Owner, Clement R. Wainwright, Chestnut Hill, Pa. Stone, 2½ stories, 150x75 feet, outdoor swimming pool and bath house, slate roof, hardwood floors, concrete work, vapor heat, electric light, tile and marble work. Architects taking bids.

Apartment House, 2116-18 North Gratz street, Philadelphia. Architects, The Penwood Co., 131 North Fifteenth street, Philadelphia. Owner, Max Tarnopol, 614 Desmond street, Philadelphia. Brick, steel, limestone, stucco,

3 stories and basement, 82x40 feet, slag roof, oak and pine floors, painting and glazing, vapor heat, electric light, tile and marble work, metal lath, rolled steel sash, kalamein doors, bond, ornamental iron work, painting and glazing, waterproofing, medicine cabinets, folding beds. Owner taking bids due October 26th.

Lodge Building, 1317-19 North Broad street, Philadelphia. Architect, Herman Miller, Crozer Building, Philadelphia. Owners, P. O. S. A., care of H. V. McFayden, on premises. Brick, granite, steel, 4 stories, 40x160 feet, slag roof, hardwood and cement floors, electric elevator, steam heat, electric light, tile and marble work, mosaic and bronze work. Architect taking bids due October 28th, 3 P. M.

Apartment House, Forty-first and Parkside avenue, Philadelphia. Architect, Arnold H. Mueller, 901 Walnut street, Philadelphia. Owner, Percy Levy, care of architect. Brick, cast stone, steel, frame, slow burning, 4 stories, 53x92 feet, vapor heat, electric light, oil burning equipment, tile and marble work, slag roof, hardwood and composition floors, bronze work, hollow metal skylights, tile and marble work, fire tower, kalamein doors, iron. J. S. Roystone, 705 East Girard avenue, Philadelphia, taking sub-bids.

Office, Warehouse and Smelting House, Erie and Caspar street, Philadelphia. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owners, I Halpern Brothers, Hancock and Berks streets, Philadelphia. Brick, reinforced concrete, office, 1 story and basement, 24x50 feet, warehouse, 1 story, 50x150 feet, smelting building, 1 story, 50x100 feet, steam heat, electric light, slag roof, cement floors, structural steel. Architect will take general bids in a few days.

Store and Apartment (3), Fortieth and Cambridge streets, Philadelphia. Architect, I.

W. Levin, Jefferson Building, Philadelphia. Owner, J. Bender, 1817 South Fourth street, Philadelphia. Brick, 3 stories, 16x60 feet, slag roof, hardwood floors, hot water heat, electric light, tile work, cement, metal ceilings, flush bulks. Plans completed. Owner ready for sub-bids.

Garage, Northwest Corner Fortieth and Cambridge streets, Philadelphia. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Owner, J. Bender, 1817 South Fourth street, Philadelphia. Brick, steel, concrete, 2 stories, 80x104 feet, gypsum roof, concrete floors, electric elevator, steam heat, electric light, rolled steel sash, hollow metal skylight, flush bulks. Plans completed. Owner ready for sub-bids.

Apartment House, Northeast Corner Greene and Johnson streets, Philadelphia, \$750,000. Architect, Harry Platt, 34 South Seventeenth street, Philadelphia. Owners, Arrow Const. Co., 34 South Seventeenth street, Philadelphia. Steel and brick, 4 stories, 292x325 feet, steam heat, electric light, tile work, hardwood and pine floors, cement work. Permit granted.

Supplies, Philadelphia. Owners, Department of Supplies, 312 City Hall, Philadelphia. Owners taking bids due October 27th at noon. White oak and hickory lumber, push brooms, wagon parts, rubber sheeting, printed books and blanks, Portland cement and paving gravel. Certified check 5 per cent. of amount of bid.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Main sewer in Courtland, between Eleventh and Twelfth streets. Sewage disposal project, Wingohocking sewer to Ramona avenue, and private property, Cayuga to Frankford Creek. Electric installation upon city-owned property located east of Broad street, south of Pattison street.

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Owners taking bids due October 27th at noon. Proposals from Simon & Simon, 249 South Juniper street, Philadelphia. Certified check 5 per cent. of amount of bid.

Delivery of Spruce to Navy Yard, Philadelphia. Owners, Department of Bureau of Supplies and Accounts, Washington, D. C. Owners taking bids due October 27th, 10 A. M.

Wading Pool and Shelter, Fiftieth and Chester avenue, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, City of Philadelphia, Department of Recreation, 595 City Hall. Excavation, grading, concrete and cement work, integral, waterproofing, cement floors, steel and iron work, iron fence, water supply and drainage, carpentry and mill work, Barrett specification roof, painting, 50x34 feet, bond. Low bidders: J. B. McHugh, 1617 Race street, Philadelphia, \$4,900; McCormick & Lenham, 2403 South Broad street, \$5,715.

Oak Lane Pumping Station, Oak Lane, Philadelphia. Owners, Department of Public Welfare, Bureau of Water, 216 City Hall. Brick, steel, 1 story, 38x35 feet, Barrett specification roof, cement floors, painting, rolled steel skylights, kalamein doors, bond, architectural terra cotta. Low bidders: Kober Const. Co., 34 South Seventeenth street, Philadelphia, \$13,377; J. J. McHugh, 1617 Race street, Philadelphia, \$13,900.

Brood House, Byberry, Pa. Owners, Bureau of Hospitals, Department of Public Health, 584 City Hall. Low bidder: Thomas M. Keeley, 4411 Germantown avenue, Philadelphia.

Residences (3), Flamingo street, West of Ridge avenue, Philadelphia, \$6,000 each. Architect, private plans. Owners, G. L. & J. K. Callahan, 542 East Fairthorne avenue, Philadelphia. Stone and frame, 2 stories, 16x16 feet, 20x17 feet, hardwood and pine floors, hot water heat, electric light. Permit granted.

Turkish Bath House, 6049 Pine street, Philadelphia, \$30,000. Architect, private plans. Owner, Alexander P. Luckner, Thirty-fourth and Haverford avenue, Philadelphia. Brick, wood, 2 stories, 40x140 feet, steam heat, electric light. Permit granted.

Garage, North side Godfrey avenue, West of Twentieth street, Philadelphia, \$8,000. Architect, private plans. Owner, Harry T. Baldwin, 3239 North Twenty-seventh street, Philadelphia. Brick, 1 story, 17 x irregular, slag roof, cement floors, electric light. Permit granted.

Garage, Northwest Corner Twentieth and Godfrey avenue, Philadelphia, \$3,200. Architect, Peter Kuhn, 3058 North Eighth street, Philadelphia. Owner, Warren T. Baldwin, 3239 North Twenty-seventh street, Philadelphia. Brick, 1 story, 68x32 feet, slag roof, cement floors, electric light. Permit granted.

Storage Shed, East side American street, South of Luzerne street, \$2,000. Owners, Thomas H. Livezey & Co., on premises. Steel, 1 story, 30x80 feet. Permit granted.

Residences (54), Baldwin and Van Kirk streets, Philadelphia, \$5,000 each. Architect, private plans. Owner, August Mignatti, 6526

North Sixth street, Philadelphia. Brick, 2 stories, 18x34 feet and 19x34 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Apartment House (alts.), 4517-19 Walnut street, Philadelphia, \$25,000. Architect, private plans. Owner, John Diesel, 4935 Chester avenue, Philadelphia. General alterations. Permit granted.

Residences (2), North side Hartel street, East of Erdrick street, \$5,000 each. Architect, private plans. Owner, J. A. Hand, 2511 Rhawn street, Philadelphia. Brick, 2 stories, 16x46 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Residence, 3515 New Queen street, Philadelphia, \$5,000. Architect, private plans. Owner, Edward G. Mueller, Chamounix, West Park, Philadelphia. Brick, 2 stories, 16x44 feet, slag roof, pine floors, electric light. Permit granted.

Residences (8), North side Sedgwick street, West of Cresheim road, \$5,000 each. Architect, private plans. Owners, Anastasia Brothers, 400 West Allen Lane, Philadelphia. Brick, 2 stories, 16 feet x irregular, slag roof, hardwood and pine floors, electric light. Permit granted.

Residences (2), East side Dungan road, South of Bleigh street, \$4,500 each. Architect, private plans. Owner, Henry Kuhn, 1223 Cottman street, Philadelphia. Brick, 2 stories, 16x38 feet, hot water heat, electric light, slag roof, electric light, pine floors. Permit granted.

Residence, North side Longshore street, West of Frontenac street, \$3,000. Architect, private plans. Owner, Hugo Enders, 5114 Tacony street, Philadelphia. Frame, 2 stories, 24 feet 6 inches x 24 feet 2 inches, shingle roof, pine floors, electric light. Permit granted.

Residences (41), Marlowe, Pratt and Bridge streets, Philadelphia, \$144,700. Architect, private plans. Owners, Kerr & Witty, Thirteenth and Cambria streets, Philadelphia. Brick, 2 stories, (37) 15x28 feet, 11x9 feet, (4) 15x37 feet, hot water heat, electric light. Permit granted.

Residences (12), Chew, Hope and Front streets, Philadelphia, \$80,000. Architect, private plans. Owner, Joseph Maiser, 1500 Sixty-eighth avenue, Philadelphia. Brick, 2 stories, (10) 16x28 feet, 13x20 feet, (2) 16x48 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residences (12), Sixty-sixth, Girard avenue and Daggert streets, Philadelphia, \$75,000. Architect, private plans. Owners, Brown & Caruso, Atwood road and Media streets, Philadelphia. Brick, 2 stories, (2) 17x66 feet, (10) 15x33 feet, 11x22 feet, hot water heat, electric light, hardwood and pine floors. Permit granted.

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Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Store and Dwelling (Alts. and Add.) to 3 Stores and Apartments, N. W. 44th and Chestnut Sts., Phila. Architect, E. Allen Wilson, 1208 Chestnut St., Phila. Owner, name withheld. Brick, 1 story, 10 feet by 20 feet, slag roof, hardwood floors, vapor vacuum heat, electric light, tile work, general interior alterations, plumbing, gas ranges, metal bulks. Contract awarded S. Reece, 1641 Thompson St., Phila.

School, Twenty-third and Jefferson streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Contract awarded H. H. Wehmeyer, 509 West Cumberland street, \$385,975. Plumbing, D. J. Keating, 2042 Rittenhouse street, Philadelphia, \$16,976. Heating, Mechanical Equipment Co., 214 South Twelfth street, Philadelphia, \$41,964. Electric, Walker & Kepler Co., 631 Chestnut street, Philadelphia, \$7,177. Ventilating, A. & G. Wagmann, 2813 Fletcher street, Philadelphia, \$1,895.

Miscellaneous Work (various schools), Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Contracts awarded: No. 423, D. W. O'Dea, 420 Duncannon street, Philadelphia, \$1,099. No. 424, John Didinger, 1131 Wingohocking street, Philadelphia, \$5,190. No. 425, G. E. Casey, 207 South Front street, Philadelphia, \$1,185. Rodney School, E. C. Durrell, 1713 North Twenty-fourth street, Philadelphia, \$5,136.

Parochial School, Fourth and Brown streets, Philadelphia, \$90,500. Architect, Peter F. Getz, Victory Building, Philadelphia. Owners, St. Agnes' Slovak Church, Rev. J. L. Yorke, on premises. Stone, brick, cut stone, concrete, 3 stories and basement, 101x57 feet, steam heat, electric light, metal lath, marble work, rolled steel sash, bond, ornamental iron work, iron stairs, slag roof, pine, cement and maple floors, plumbing, metal weather strip and ceiling, metal partitions, granite composition stair treads, ornamental plaster. Contract awarded Farrell Roth, 123 South Twenty-first street, Philadelphia.

Apartment Building, 4111 Walnut street, Philadelphia. Architects and engineers, Watson Co., 522 Stock Exchange Building, Philadelphia, also 15 Park Row, New York City. Owners, Branson Bond & Mortgage Co., E. Branson, 620 Stock Exchange Building, Phila-

delphia. Brick, stone, reinforced concrete, steel, 7 stories and basement, 60x220 feet, slag roof, oak floors, elevators, steam heat, metal lath, electric light, tile and marble work. Contract awarded Robert E. Lamb Co., 843 North Nineteenth street, Philadelphia.

Palace of Liberal Arts, Broad and Patterson streets, Philadelphia. Architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Sesqui-Centennial Exposition, Fifth and Chestnut streets, Philadelphia. Steel, stucco, frame, 1 story, 917x392 feet, built-up roof, pine floors, roof ventilators, gypsum board, partitions, steam heat, electric light, rolled steel sash, sheet metal skylights, wood pile foundations, plate glass windows. Contract awarded M. Melody & Son, 1322 Race street, Philadelphia.

Garage and Shed (alts.), Park avenue and Fitzwater streets, Philadelphia. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owners, Consumers' Co., on premises. Brick, 1 story, 49x54 feet, steel sash. Contract awarded E. E. Hollenback, Inc., 1804 Brandywine street, Philadelphia.

Building (alts. to old building), Twenty-first and Spruce streets, Philadelphia. Architect, private plans. Owners, Philadelphia County Medical Society, on premises. Brick, steel, limestone, 1 story, 40x70 feet, slag roof, cement and oak floors, steam heat, electric light. Contract awarded George Kessler Cont. Co., 1733 North Marvine street, Philadelphia.

Store and Office Building, 1517 Chestnut street, Philadelphia. Architect, Philip H. Johnson, 1713 Sansom street, Philadelphia. Owners, William H. Hoskin Co., 906 Chestnut street, Philadelphia. Brick, terra cotta, 6 stories, cement floors, metal lath, fire doors, plastering, painting and glazing, hardware. Contract awarded A. Raymond Raff Contracting Co., 1635 Thompson street.

Paving, Cottman to Knorr, Rising Sun avenue, Philadelphia, \$60,000. Owners, Department of Public Works, City of Philadelphia. Concrete, macadam, Belgian block paving. Contract awarded Baton Const. Co., 1713 Sansom street, Philadelphia.

Factory, North side Cottman street, West of Delaware avenue, \$25,000. Architect, private plans. Owners, Delaney Company, on premises. Brick, 1 story, 75x218 feet, electric light, steam heat. Contract awarded to A.

Raymond Raff, 1635 Thompson street, Philadelphia.

Residence, West side Foster street, North of Bensalem avenue, \$6,000. Architect, private plans. Owners, M. B. Hamilton Co., 1918 Arch street, Philadelphia. Frame, 2 stories, 24x36 feet, shingle roof, hardwood and pine floors, electric light. Contract awarded to Henry E. Durst, Rhawn and Castor streets, Philadelphia.

Residence (alts.), 1313 Spruce street, Philadelphia, \$4,000. Architect, private plans. Owner, George Wood, on premises. General alterations. Contract awarded to F. A. Havens Co., 845 North Nineteenth street, Philadelphia.

Residences (7), North side Widener street, West of Fifth street, \$4,000 each. Architect, private plans. Owner, Emma McMaster, Southeast Corner Fairhill and Cheltenham avenue, Philadelphia. Brick, 2 stories, 15x28 feet, 10x10 feet, hot water heat, electric light, slag roof, pine floors. Contract awarded to Louis Braening, Jr., Southeast Corner Fairhill and Cheltenham avenue, Philadelphia.

Store and Residence (add. and alts.), 761 South Fourth street, Philadelphia, \$3,000. Architect, private plans. Owner, S. Werner, on premises. Brick, 1 story add., 3 feet 6 inches x 17 feet, general alterations. Contract awarded to L. Brazir, 432 McKean street, Philadelphia.

Open Shed, West side Forty-third street, South of Woodland avenue, Philadelphia, \$3,000. Architect, private plans. Owners, Breyer Ice Cream Co., on premises. Contract awarded to William F. Koelle & Co., 2601 Oxford street.

Garage and Storage (add. and alts.), 3113 Wharton street, \$5,000. Architect, private plans. Owners, Webster Street House, Inc., 3113 Wharton street, Philadelphia. Brick, second story add., 17x23 feet, general alterations. Contract awarded to Barclay White & Co., 1713 Sansom street, Philadelphia.

Storage Building, West side Melvale street, North of Tioga street, \$4,500. Architect, private plans. Owners, Gilbert Spruance Co., Richmond and Tioga streets, Philadelphia. Brick, 1 story, 20 feet 8 inches x 50 feet 8 inches. Contract awarded to Frank G. English & Sons, 1608 North Carlisle street.

Store and Storage (add.), 2612 West Lehigh avenue, Philadelphia, \$4,000. Architect, private plans. Owner, I. Feldman, 2628 West Lehigh avenue, Philadelphia. Brick, 1 story add., 10x15 feet. Contract awarded to Paul Brosz, 2517 West Huntingdon street, Philadelphia.

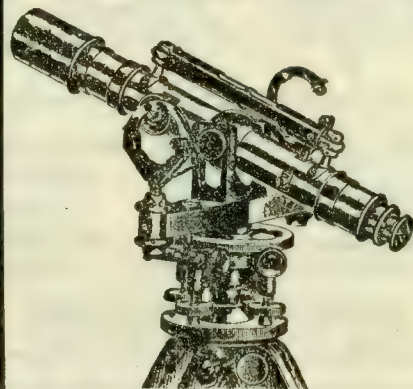
Store (alts.), 680 North Broad street, Philadelphia, \$2,900. Architect, private plans. Owners, J. F. Jackson Co., Southeast Cor-

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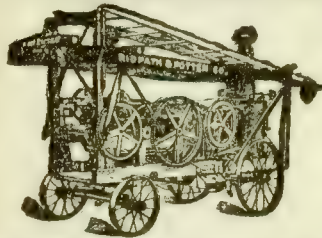
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ner Thirteenth and Chestnut streets. General alterations. Contract awarded to Knox-Landers Co., 1132 Vine street, Philadelphia.

Store and Residence (alts.), Southeast Corner Twelfth and Christian streets, \$2,000. Architect, private plans. Owner, Basil F. Baldino, on premises. General alterations. Contract awarded to Thomas E. Bressi, 778 South Seventh street, Philadelphia.

Garage, Northeast Corner Seventeenth and Vine streets, Philadelphia, \$30,000. Architect, private plans. Owner, Alfred D. Wiler, Lincoln Building, Philadelphia. Brick, 1 story, 117x125 feet, slag roof, cement floors, electric work. Contract awarded to Harry G. Walters, 412 North Fourth street, Philadelphia.

Garage, West side Sixty-first street, South of Pine street, Philadelphia, \$4,700. Architect, private plans. Owner, Mrs. Roebuck, Southeast Corner Sixty-first and Pine streets, Philadelphia. Brick, 1 story, front 49 feet 2 inches, rear 18x27 feet 6 inches, slag roof, cement floors, electric light. Contract awarded to E. V. Holland, 5005 Sansom street, Philadelphia.

Residence (add. and alts.), 1111 Federal street, Philadelphia, \$3,550. Architect, private plans. Owner, Nicholas Peca, on premises. Brick, 3 stories add., 13x20 feet, general alterations. Contract awarded to G. Curcillo, 2002 South Twelfth street, Philadelphia.

Store and Residence (add. and alts.), 4943 North Broad street, \$3,000. Architect, private plans. Owners, Estate of Wilhelm Jacob, 4943 North Broad street, Philadelphia. Brick, 1 story add., 20x20 feet, general alterations. Contract awarded to Stewart Brothers Co., 2526 North Orkney street, Philadelphia.

Garage, rear of 4003 Parrish street, Philadelphia, \$3,000. Architect, private plans. Owner, A. J. O'Donnell, 4003 Parrish street, Philadelphia. Brick, 1 story, 14x37 feet, slag roof, cement floors. Contract awarded to S. Sidney Lewis, Real Estate Trust Building, Phila., Pa.

Store and Residence (add. and alts.), 1611 Torresdale avenue, \$2,250. Architect, private plans. Owner, Angelo Sicilia, on premises. Brick, 1 story add., 18x7 feet 6 inches, general alterations. Contract awarded to George H. Thirsk, 4305 Horrocks street, Philadelphia.

Manufacturing Building (alts.), Southeast Corner Eighth and Girard avenue, \$25,000. Architect, private plans. Owners, Samuel Cohen & Co., 309 South Broad street, Philadelphia. General alterations. Contract awarded to W. H. Levin, 1631 South Fifth street, Philadelphia.

Manufacturing Building (alts.), South side Girard, East of Eighth street, \$20,000. Architect, private plans. Owners, Samuel Cohen & Co., 309 South Broad street, Philadelphia. General alterations. Contract awarded to S. H. Levin, 1631 South Fifth street, Philadelphia.

Store and Residence (add. and alts.), 1515 West Tioga street, \$9,000. Architect, private plans. Owner, B. Simon, 1509 North Thirty-third street, Philadelphia. Brick, 1 story, front 25x10 feet, side 42x6 feet, general alterations. Contract awarded to J. Goldstein, 3217 Susquehanna avenue, Philadelphia.

Pennsylvania Construction News

Show Room and Apartment, Glenside, Pa. Architect, Druckenmiller & Williams, Otis Bldg., Phila. Owner, Vivian Prichett, Glenside, Pa. Brick, steel, 2 stories and basement. Owner taking bids due Oct. 21st.

Residence (Alts. and Add.) Bryn Mawr, Pa. Architect, R. Brignard Okie, 208 S. Smedley St., Phila. Owner, Dr. Geo. W. Norris, on premises. Stone work, bluestone or flagstone, cement and concrete, brickwork, carpentry, and millwork, maple and pine floors, plastering, metal lath, black slate roof, canvas floor, painting and glazing, iron work, hot air heat, electric wiring. (Plumbing res.). Architect taking bids due Oct. 24th.

Grading and Curb, Llanerch, Pa. Owner, Haverford School Dist., H. N. Fairbanks, Llanerch, Pa. Owner taking bids due Nov. 6th at noon.

School, Mt. Alto, Pa. Architect, W. W. Witman, 21 N. 19th St., Harrisburg, Pa. Owners, State Forestry School, care of Dr. Staley, State Capitol, Harrisburg, Pa. Low bidders: A. J. Etter Co., Waynesboro, Pa.; Electric, Crunkleton Electric Co., Waynesboro, Pa.; Plumbing, J. H. Bowman, Penbrook, Pa. Heating rejected.

Theatre and Hotel, Second and Market streets, Pottsville, Pa. Architect, William H. Lee, 1505 Race street, Philadelphia. Owners, Chamberlain Amusement Co., Pottsville, Pa. Hotel, brick, steel, concrete, stone, 8 stories, 150 rooms, built-up roof, hardwood and cement floors, steam heat, electric light, tile and marble work, elevators, roof ventilators. Hotel contract awarded Barras Const. Co., 336 Madison avenue, New York City. Plans in progress.

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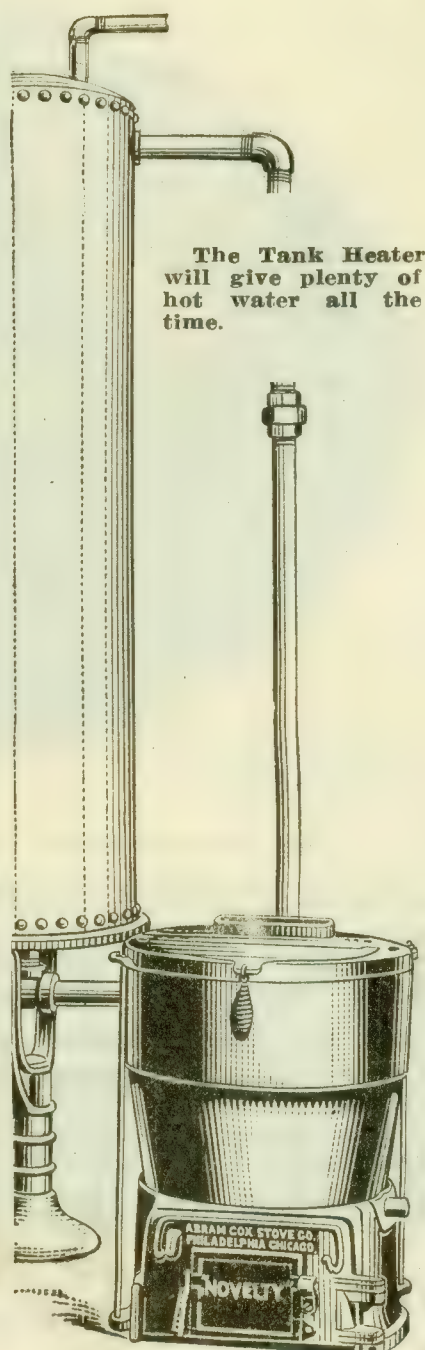
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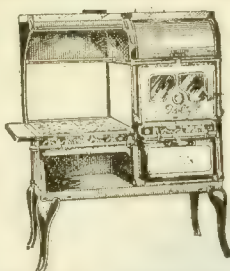
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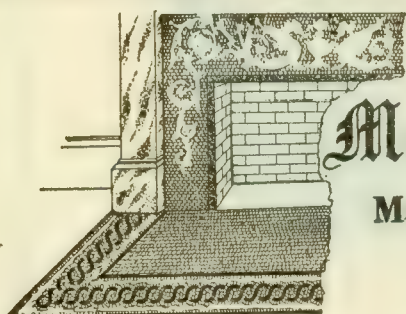


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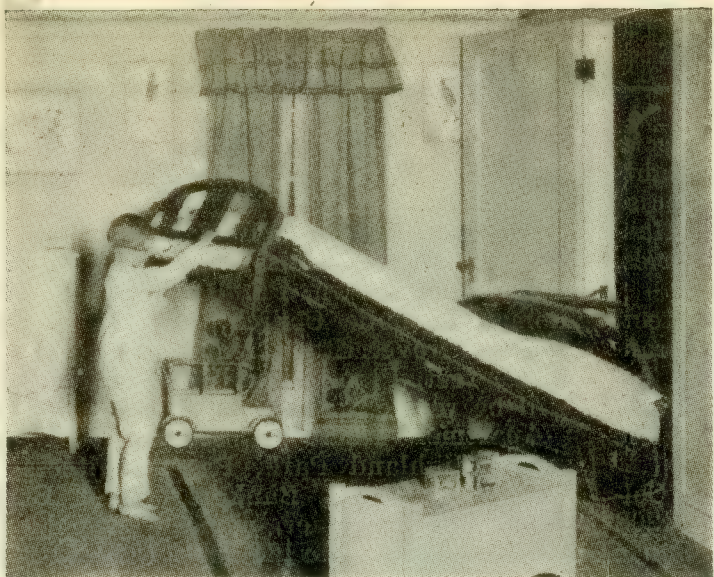
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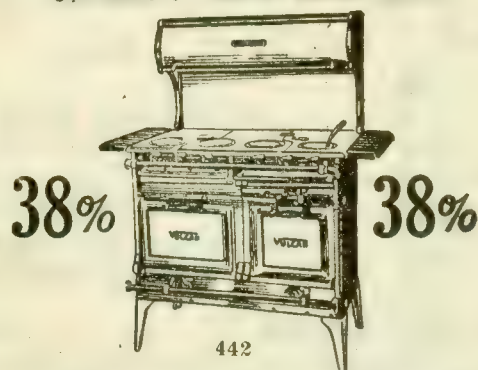
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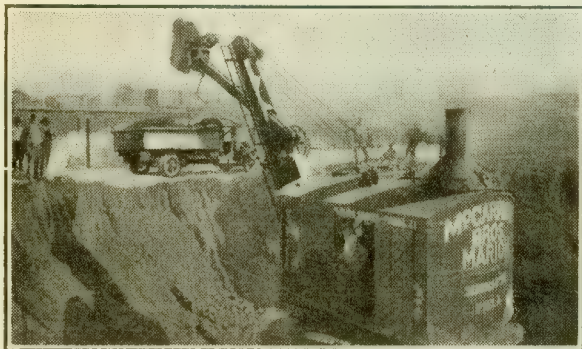
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Convent, South Ardmore, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owners, St. Denis' Roman Catholic Church, Rev. James J. Hasson, South Ardmore, Pa. Stone, 3 stories, slag roof. Plans in progress.

Residence, Clark's Summit, Pa. Architect, H. A. Duckworth, 711 Linden street, Scranton, Pa. Owner, George Matt, care of architect. Hollow tile, stucco, 2½ stories, 66x30 feet, shingle roof, hardwood floors, electric light. Plans in progress.

Bungalow, Sharon and Parker avenues, Collingdale, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Jonas R. Rambo, Collingdale, Pa. Brick, 1½ stories, 30x55 feet, asbestos shingle roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Residence (alts.), Fox Chase, Pa. Architect, C. H. Fries, Drexel Hill, Pa. Owner, William Farran, care of architect. Frame, 2½ stories and basement, 18x35 feet, shingle roof, hardwood and tile floors, copper flashings, cement work, extensions to hot water heat, electric light and plumbing, tile work. Plans in progress. Architect will take bids in 10 days.

Bank, Lebanon, Pa. Architects, Tilghman-Moyer Co., 141 North Ninth street, Allentown, Pa. Owners, North Side Bank, B. F. Balschke, Lebanon, Pa. Stone, 3 stories, 47x100 feet. Preliminary plans in progress.

Bank (alts. and add.), Doylestown, Pa. Architects, Tilghman-Moyer Co., 141 North Ninth street, Allentown, Pa. Owners, Bucks County Trust Co., H. James, Doylestown, Pa. Brick, 1 story and basement. Preliminary plans in progress.

Bank, Seventh and Center streets, Allentown, Pa. Architects, Tilghman-Moyer Co., 141 North Ninth street, Allentown, Pa. Owners, Dime Savings & Trust Co., 101 North Seventh street, Allentown, Pa. Stone, brick, steel, 6 stories, 30x80 feet, 12x80 feet, built-up roof, marble floors, hollow tile, elevators, safety treads, ornamental iron, bank fixtures, bronze work, tile and marble, metal lath, steam heat, electric light. Plans in progress.

Garage, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown. Owners, Kerfreiter & Schaeffer, care of architects. Concrete, brick, steel, 2 stories, 70x120 feet, slag roof, concrete floors, steam heat, electric light, rolled steel sash, fire doors. Plans in progress.

Garage, Sixth avenue, Scranton, Pa. Architect, Louis Reisman, Miller Building, Scranton, Pa. Owner, Mr. Miller, care of architect. Brick, reinforced concrete, steel, 3 stories, 50x150 feet, slag roof, concrete floors, elevators, iron stairs, fire doors, rolled steel sash, city heat, electric light. Architect ready for bids.

Garage and Apartment, Emaus, Pa. Architect, David Levy, 23 North Sixth street, Allentown, Pa. Owners, Backenstoe & Kemmerer, Emaus, Pa. Brick, steel, 2 stories, 189x66 feet, slag roof, concrete and hardwood floors, steam heat, electric light, metal

lath, steel sash, fire doors, concrete stairs. Owners will be ready for bids the first of next week.

Parochial School, Willow Grove, Pa. Architect, L. Walton Heiss; associate, F. J. Lehmann, Jenkintown, Pa. Owners, St. David's Roman Catholic Church, Rev. E. J. Curran, Willow Grove. Stone, frame, stucco, 2 stories, 50x60 feet. Plans about completed. Architect will be ready for bids in a week.

Apartment House and Stores (5) and Apartment, Highland Park, Pa. Architects, MacKenzie & Wiley, Bankers' Trust Building, Philadelphia. Owner, name withheld. Brick, steel, 4 stories, 43x124 feet, (32 apartments) (5) 2 stories, 16x55 feet, slag roof, hardwood floors, vapor heat, electric light, tile and marble work, elevators, cement work, oil-burning, hollow metal skylights, metal bulks. Plans completed. Architects will be ready for general bids in a few days.

Twin Residences (10 pair), Ardmore, Pa. Architects, MacKenzie & Wiley, Bankers' Trust Building, Philadelphia. Owner, F. R. Shriver, Fifty-first and Catherine streets, Philadelphia. Brick, frame, plaster, 2½ stories, 18x40 feet, shingle roof, vapor heat, electric light, tile and marble work, hardwood floors. Owner taking sub-bids.

Operation of Residences, Ardmore, Pa. Architects, MacKenzie & Wiley, Bankers' Trust Building, Philadelphia. Owner, Frank M. Mahan, Ardmore, Pa. Brick, hollow tile, stucco, 2½ stories, slate, shingle, tile roof, hardwood floors, hot water heating, electric light, tile work. Owner will build and is ready for sub-bids.

Apartment House (and probably Stores), Garrett and Chestnut streets, Upper Darby, Pa. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Owners, R. H. Scroggin & Son, Edgemont and State Road, Drexel Hill, Pa. Brick, 4 stories, 140 x irregular, slag roof, hardwood and linoleum floors, 2 elevators, vapor heat, oil burner, electric light, tile and marble work. Owner will build.

Residences (10), Spring avenue, between Ashbourne and Prospect avenue, Elkins Park, Pa. Owner, Charles Kahn, Morris Building, Philadelphia. Stone, hollow tile, stucco, 2½ stories, slate and tile roof. Work contemplated. Will take bids in about one month.

Residence and Garage, Wynnewood, Pa. Architect, Richard A. Kerns, Jr., Fuller Building, Philadelphia. Owner, Mrs. J. L. Glase, care of architect. Brick, stone, 2½ stories, 74x36 feet, slate roof, hardwood floors, cement work, electric light, tile and marble work. Plans in progress. Architect will take sub-bids.

Residence and Garage, Wynnewood, Pa. Architect, Richard A. Kerns, Jr., 10 South Eighteenth street, Philadelphia. Owner, Earl B. Morgan, Drexel Road, Ardmore, Pa. Brick, stone, 2½ stories. Plans in progress. Ready for sub-bids in one week.

School, Second and Turner streets, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Own-

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ers, Allentown School Board, T. P. Wenner, secretary, Allentown, Pa. Brick, steel, concrete, 3 stories, 135x181 feet, built-up roof, hardwood and composition floors, hollow tile, dumb waiters, roof ventilators, safety treads, waterproofing and dampproofing (heating, plumbing and electric work separate), metal lath, tile and marble, steel sash and skylights, fire doors, bond, iron stairs, ornamental iron. Architects and owners taking bids due in four weeks.

Sugar Storage Building, Marcus Hook, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Viscose Co., Marcus Hook, Pa. Brick, concrete, steel, 1 story, 120x80 feet, irregular, Barrett specification roof, cement floors, rolled steel sash, ornamental iron work, rolled steel shutters, integral waterproofing. Architects taking bids due as soon as possible.

Garage, Drexel Hill, Pa. Architects, MacKenzie & Wiley, Bankers' Trust Building, Philadelphia. Owner, name withheld. Brick, 2 stories, 55x90 feet, slag roof, cement floors, concrete work, electric light. Architects taking general bids.

Apartment House, Highland Park, Pa. Architect, Henry L. Reinhold, Jr., 1513 Walnut street, Philadelphia. Owner, H. H. Magowan, Highland Park, Delaware County, Pa. Brick, steel, 3 stories and basement, 65x112 feet, slag roof, oak and pine floors, steam heat, electric light, metal lath, tile work, ornamental iron work. Architect taking bids due as soon as possible.

School, West Wyoming, Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owners, West Wyoming School Board, care of architect. Brick, 6 rooms. Preliminary plans in progress.

Stores and Apartments, Riverside, Wilkes-Barre, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre. Owner, name withheld. Brick, 2½ stories, 38x60 feet, slate roof, hardwood floors, plate glass, vapor heat, electric light, tile work. Plans in progress.

Bank Building, Lewistown, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Lewistown National Bank, W. C. Walls, Lewistown, Pa. Stone, 1 story, 40x75 feet. Architect taking bids due October 27th.

Seminary (add.), Kingston, Pa., \$250,000. Architect, Thomas Podmore, Bennett Building, Wilkes-Barre, Pa. Owners, Wyoming Seminary, Rev. L. L. Sprague, president, 743 Market street, Kingston, Pa. Brick and stone. Plans in progress.

Hospital (add.), Wilkes-Barre, Pa. Architect, J. A. McGlynn, Bennett Building, Wilkes-Barre, Pa. Owners, Mercy Hospital, A. C. Campbell, secretary, Wilkes-Barre. Fireproof, brick, tile, 4 stories and basement, 44x100 feet, 44x70 feet, slag roof, composition floors, hollow tile, safety treads, metal weather strip, waterproofing and dampproofing, limestone, ornamental iron, iron stairs, bond, fire doors, skylights, tile and marble, metal lath, steam heat, electric light. Architect taking bids due November 4th.

Sanitarium (alts. and add.), Kingston, Pa. Architects, Mack & Sahn, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Wyoming Valley Sanitarium, R. J. Richards, Kingston, Pa. Brick, steel, 2 stories, 68x22 feet, built-up roof, linoleum floors, roof ventilators, ornamental iron work, metal lath, vapor heat, electric light. Architects taking bids due November 2nd.

School (add.), Edwardsville, Pa. Architect, J. A. Boyle, Bennett Building, Wilkes-Barre, Pa. Owners, Edwardsville School District, Edwardsville, Pa. Brick, steel, 2 stories, 66x31 feet, slag roof, pine floors, roof ventilators, metal lath, steam heat, electric light. Owners taking bids due October 22nd.

Residence, Kingston, Pa. Architects, Mack & Sahn, Coal Exchange Building, Wilkes-

Barre, Pa. Owner, B. W. Davis, Kingston, Pa. Brick, 2½ stories, 32x42 feet, 26x13 feet, slag roof, hardwood floors, vapor heat, electric light, tile work. Architects taking bids, due October 26th.

Senior High School, York, Pa. Architect, J. B. Hamme, City Bank Building, York, Pa. Owners, York School District, D. M. Crider, secretary, York, Pa. Lowest bidder, C. W. Strayer, Harrisburg, Pa.

Franklin Fire House, Concord avenue and Mary street, Chester. Owner, care of K. V. Kerth, Chairman of Trustees, Chester, Pa. Owners taking bids on exterior painting.

Cottages No. 5 and No. 6, Laurelton, Pa. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owners, Laurelton State Village for Feeble Minded, Laurelton. Low bidder, F. K. Worley, Wesley Building, Philadelphia. Cottages Nos. 5-6, \$114,277; Nos. 5-6-7, \$166,925.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Owners taking bids due October 30th at 10 A. M.

Bradford County, R-241, Sec. 3, Standing Stone and Wysox Townships, 29,827 feet. One course reinforced concrete. Certified check, \$4,000.

Crawford County, R-82, West Fallowfield Township, 1,090 feet. Grading and drainage. Certified check, \$1,500.

Lycoming County, A-3603, Picture Rocks Borough, 1,411 feet. One course reinforced concrete. Certified check, \$1,000.

Somerset County, A-3327, Ogle and Shade Townships, 9,803 feet. One course reinforced concrete. Certified check, \$2,000.

Venango-Crawford County, O-89, A-3679-3710, Oil Creek Township, 18,922 feet. One course reinforced concrete. Certified check, \$3,000.

Washington County, R-268, Section 9, East Pike Run Township, 1,820 feet. One course reinforced concrete. Certified check, \$1,000.

Rockdale Bridge, No. 8, over Chester Creek, Pa. Architect S. C. Hollister, Media, Pa. Owners, County Commission, G. T. Wadas, Media, Pa. Two-span reinforced concrete arch bridge, approximately 329 feet long, to replace present steel bridge. Certified check, \$10. Deposit, \$7.50. Owners taking bids due October 27th, 11 A. M.

Pennsylvania

Contracts Awarded

Mill Building, Sinking Springs, Pa. Architect, W. E. S. Dyer, Land Title Bldg., Phila. Owner, H. A. Anthony Co., Sinking Springs,

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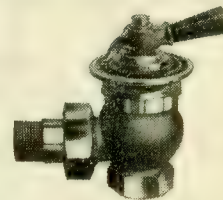
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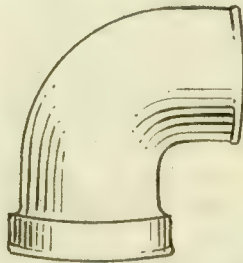
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Pa. Brick, steel, concrete, 1 story, 90 feet by 110 feet, asphalt roof, cement floors, plumbing, steam heat, electric light, rolled steel sash, add. to building, 1 story and basement, 28 feet by 20 feet. Heater House, 1 story, 27 feet by 24 feet. Contract awarded Sharp Construction Co., Reading, Pa.

Residence and Garage, Pennsylvania avenue, Bryn Mawr, Pa. Architects, T. B. Lippincott and Charles Schaefer, 11 South Sixteenth street, Philadelphia. Owner, Joseph H. Morris, 864 Lancaster avenue, Bryn Mawr, Pa. Hollow tile and stucco, stone, 2½ stories and basement, 40x48 feet, shingle roof, oak and pine floors, electric light, metal lath, tile and marble work, bond, ornamental iron work, cinder block, steel casement sash. Contract awarded Gray Brothers, Rosemont, Pa.

Warehouse, Scranton, Pa. Architect, G. T. Price, 616 Spruce street, Scranton, Pa. Owners, Greenberger & Co., 113 Franklin avenue, Scranton, Pa. Brick, steel, concrete, 2 stories, 76x107 feet, slag roof, maple floors, hollow tile, elevator, waterproofing, iron stairs, fire doors, rolled steel sash, electric light. Contract awarded to Thomas Palumbo, 223 Lackawanna avenue, Scranton, Pa.

Sunday School, Collingdale, Pa. Architect, George C. Baum, 1511 Arch street, Philadelphia. Owners, Lutheran Church, Collingdale, Pa. Stone, 1 story and basement, balcony, 44x76 feet, black slate roof, pine floors, plumbing, gas and steam heat, electric light, tile work, ornamental iron work, artificial cast stone. Contract awarded F. K. Wilkinsson, 10 Ridley avenue, Aldan, Pa.

Residence (alts. and add.), Devon, Pa. Architects, Stewardson & Page, 315 South Fifteenth street, Philadelphia. Owner, John B. Bioren, Devon, Pa. Stone, 2 stories, 18x14 feet, brick work, cut stone, iron work, metal casement sash, cement floors, tile, mill work, carpentry, hardware, plastering, plumbing, painting, glazing, variegated slate roof, metal later, waterproofing. Contract awarded Metzger, Fisher & White, Otis Building, Philadelphia.

Residence and Garage, Wynnewood, Pa. Architect, Richard A. Kerns, Jr., 10 South Eighteenth street, Philadelphia. Owner, Mrs. Jessie Frazier, care of architect. Brick, stone, concrete block and stucco, 2½ stories, 94x38 feet, slate roof, hardwood floors, electric light, hot water heat, electric light, tile work. Contract awarded Wynnewood Const. Co., 109 South Twenty-second street, Philadelphia.

Residence and Garage, Springfield, Pa., \$16,000. Architects, MacKenzie & Wiley, Bankers' Trust Building, Philadelphia. Owner, name withheld. Frame, stucco, 2½ stories, 57x20 feet, Spanish tile roof, hardwood floors, vapor heat, electric light, tile and marble work. Contract awarded George P. Gehring, 3735 Warrington avenue, Philadelphia.

Garage, Bryn Mawr, Pa. Architect, J. L. Coneys, Drexel Building, Philadelphia. Owner, Dr. Jacobs, care of architect. Cinder block, 1½ stories, 34x50 feet (plumbing, heating reserved), tile roof, cement floors, electric light. Contract awarded C. C. Pace, Cynwyd, Pa.

Parochial School (add.), Scranton, Pa. Architect, Fred Nelson, Connell Building, Scranton, Pa. Owners, St. Anns Roman Catholic Church, Scranton, Pa. Brick, steel, 2 stories, 34x60 feet, pine floors, electric light. Contract awarded to Barrett Eng. Co., Bowman Building, Scranton, Pa.

Church and Sunday School, Indiana, Pa. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, United Presbyterian Church, Dr. J. C. Pinkerton, Indiana, Pa. Stone, 1 and 3 stories. Contract awarded Hyde-Murphy Co., Ridgway, Pa.

Apartment, Wilkes-Barre, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building,

Wilkes-Barre. Owner, Philip Bravman, 16 Sullivan street, Wilkes-Barre, Pa. Brick, 2 stories, 31x61 feet, slate roof, hardwood floors, Warren Webster heating, electric lighting, tile work. Contract awarded to O. J. Behrens & Son, 179 Blackman street, Wilkes-Barre, Pa.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Lehigh County, A-2497, Catasauqua Borough, \$108,777.39. Contract awarded to George H. Hardner, Allentown, Pa.

Washington County, R-268, Centerville Borough, \$346,181.27. Contract awarded to Corrado & Galiardi Const. Co., Connellsville, Pa.

Beaver County, R-347, A-3746, \$24,023.56. Contract awarded to Shorb & Reline, St. Clairsville, Ohio.

Carbon County, A-3741, Towanmensing Township, 2,360 feet, \$21,572.52. Contract awarded to McInerney & McNeal, Inc., Easton, Pa.

Monroe-Luzerne Counties, R-169, Section 2, Tobyhanna and Bucks Townships, \$55,887.30. Contract awarded to W. H. Murphy & Sons, Harrisburg.

Susquehanna County, R-316, A-3610, Rush Township, \$119,014.90. Contract awarded to Stento & Sarafini, Binghamton, N. Y.

New Jersey Construction News

Office Building, S. E. Cor. Broadway & Cooper St., Camden, N. J. Architect, LeRoy B. Rothschild, 215 S. Broad St., Phila. Owner, J. O. Wilson Building Corp., 336 Market St., Camden, N. J. Brick, limestone, concrete, steel, 12 stories and basement, 140 feet by 42 feet, (plumbing, heating, oil burners reserved), electric light, metal lath, terrazzo work, rolled steel and hollow metal sash, kalamein and hollow metal doors, iron stairs, ornamental iron work, Barrett Spec. roof, cement floors, elevators, painting and glazing, metal weatherstrip, shoring, water and dampproofing, archt. terra cotta, limestone, granite, area gratings, caulking, metal toilet partitions. Architect taking bids due Oct. 26th, 3 P. M.

Viaduct and Approaches, Jersey City, N. J. Owners, State of New Jersey, State Highway Commission, A. Lee Grover, Secty., Trenton, N. J. Structural steel, concrete, wood and concrete piling, caissons, granite block paving; across Monmouth St. Yard of Erie R. R. and across right of way and tracks of N. J. Junction R. R. between Jersey and Palisade Avenues, through 12th Street, to Palisade Avenue. Owners taking bids due at Broad St. Bank Bldg., Trenton, N. J., Monday Nov. 2nd at noon. Certified check, \$75,000. Deposit of \$50.00 (Refunded). Copies of plans and specifications may be obtained at office of Engineer, 921 Bergen Avenue, Jersey City.

Garage and Apartment, Pleasantville, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, Warren Marshall, Pleasantville, N. J. Concrete block, 1½ stories, 140x50 feet, slag roof, concrete and pine floors, hot water heat, electric light, tile work. Plans in progress.

Bank and Office, Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City. Owners, Atlantic City National Bank, Atlantic City, N. J. Fireproof, 10 stories. Plans in progress.

Residence, Trenton, N. J. Architect, W. D. Hill, Broad Street Bank Building, Trenton, N. J. Owner, Mr. Elston, care of architect. Frame, 2 stories, 30x25 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Residence, Westover, Pa. Architect, W. D. Hill, Broad Street Bank Building, Trenton, N. J. Owner, J. Flanagan, Broad Street Bank

Building, Trenton, N. J. Frame, 2½ stories, 45x25 feet, slate roof, hardwood floors, slate roof, electric light, tile work. Plans in progress.

Residence "Q," Brigantine Beach, N. J. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, William Shaw, Atlantic City, N. J. Brick, 2½ stories, hot water heat, electric light, tile work, shingle roof, hardwood floors. Owner taking bids.

Residence Development (160), Berlin, N. J. Owner, J. R. Tucker, 321 Market street, Camden, N. J. Frame, stucco, 2½ stories, hot water heat, electric light, shingle roof, hardwood and pine floors. J. Lang, Detroit, Mich., and care of owner, will develop tract and take sub-bids.

Residences (4), Wildwood Gables, Wildwood, N. J. Architect, D. A. Rosenstein, Humphry Building, Atlantic City, N. J. Owner, F. J. Pedrick, 1415 Atlantic avenue, Atlantic City, N. J. Hollow tile, frame and stucco, (2) 2 stories, 26x34 feet, (2) 1½ stories, 26x42 feet, tile roof, hardwood floors, hot water heat, electric light, tile work. Owner will build.

Junior High School, Blackwood, N. J. Architect, Thomas Stephen, Temple Building, Camden, N. J. Owners, care of Jacob Price, Glendora, N. J. Brick, steel, reinforced concrete, 2 stories and basement, 106x130 feet, slate and slag roof, hardwood floors, hollow tile, safety treads, roof ventilators, cast stone, ornamental iron, concrete stairs, metal lath (heating, plumbing and electric work separate). Architect and owners taking bids due October 27th.

Residence, Ventnor, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owner, H. Williams, Atlantic City, N. J. Cinder block and stucco, 2½ stories, 26x42 feet, tile roof, hardwood floors, hot water heat, electric light, tile work. Architect taking bids due October 22nd.

Grade School, Mt. Holly, N. J. Architect, Alex. Merchant, 1 Elm avenue, New Brunswick, N. J. Owners, School Board of Mt. Holly, Mt. Holly, N. J. Brick, steel, 2 stories and basement, 100x558 feet, slate roof, cement and maple floors, tile work, ornamental iron work. Owners taking bids October 27th.

Store and Residence, 1114 South Fourth street, Camden, N. J., \$8,000. Architect, Thomas E. Ash, 1012 Walnut street, Philadelphia. Owner, Joseph Grassi, 1114 South Fourth street, Camden, N. J. Brick and block, 2 stories, 31x48 feet 10 inches, slag roof, pine floors, steam heat, electric light. Permit granted.

Residences (2), 840 Chambers street, Trenton, N. J., \$10,000. Architect, private plans. Owner, John Polumb, 427 Elmer street, Trenton, N. J. Brick, 2½ stories, slate roof, pine floors, hot water heat, electric light. Owner will build.

Factory (add.), 1643-47 Haddon avenue, Camden, N. J. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owners, Acme Staple Co., on premises. Brick, steel, 2 stories and basement, 145x87 feet (plumbing, heating and lighting reserved), slag roof, asphalt, pine and maple floors, painting and glazing, hollow metal sash, rolled steel skylights, fire doors, bond, ornamental iron work. Architect taking bids due October 26th.

New Jersey Contracts Awarded

Residences (10) 101-19 Eutaw St., Camden, N. J. \$50,000. Architect, private plans. Owners, Lorigan-Hurley Co., 27th and Berkley Sts., Camden, N. J. Brick, 2 stories, 18 feet by 3 feet, slag roof, warm air heat, electric

light. Contract awarded to Geo. W. Rich, 2933 Westfield Ave., Camden, N. J.

Residence, 314 Kaighn Avenue, Camden, N. J. \$6,500. Architect, private plans. Owner, R. Cavallo, 310 Kaighn Avenue, Camden, N. J. Brick, 2 stories, 16 feet 4 inches by 60 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Frank Valeriani, 259 Spruce St., Camden, N. J.

Residence, 885 Lois venue, Camden, N. J. \$5,500. Architect, private plans. Owner, Elmer Latham. Hillside and Highland Avenue, Camden, N. J. Frame, 2 stories, 24 feet by 29 feet 6 inches, asbestos shingle roof, hot air heat, electric light. Contract awarded to William H. Townsend, 2929 Westfield Ave., Camden, N. J.

Hotel (add.), Boardwalk and St. Charles Place, Atlantic City, N. J. Architect, Warren Wetmore, 16 East Forty-seventh street, New York City. Owners, St. Charles Hotel, on premises. Brick, steel, limestone, steel, 12 stories and basement and tower, 78x46 feet (plumbing, heating, elevators, electric separate), slag roof, tile, cement floors, hollow tile, metal weather stripping, dampproofing, architectural terra cotta, ornamental iron work, kalamein and hollow metal doors, elevator doors, metal lath, tile and marble work, terrazzo, sound-proofing, Cainara glass, mail chutes, gypsum partitions, caulking, painting and glazing. Contract awarded F. V. Warren Co., 1913 Arch street, Philadelphia.

Schools (2), Pensauken, N. J. Architect, I. T. Catherine, Franklin Trust Building, Philadelphia. Owners, Pensauken Township Board of Education, G. H. Carson, Pensauken, N. J. Contracts awarded: Wistaria Avenue School—H. John Homan, Eighteenth and Cherry streets, Philadelphia, \$294,250, alternate \$267,250; plumbing, Borden Brothers, 637 North Nineteenth street, Philadelphia, \$11,056; heating and ventilating, Mechanical Equipment Co., 214 South Twelfth street, \$27,213; electric, Enterprise Electric Co., 239 South Tenth street, Philadelphia, \$9,648. Contracts awarded: Fifty-fifth Street School—J. M. Yardley, 1730 Sansom street, Philadelphia, \$238,350; plumbing, William Newell & Son, 1707 Sansom street, \$11,523; heating and ventilating, Mechanical Equipment Co., 214 South Twelfth street, \$27,213; electric, Enterprise Elec. Co., 239 South Tenth street, Philadelphia, \$9,548.

Masonic Temple, Atlantic City, N. J. Architect, C. H. Adams, Chelsea Bank Building, Atlantic City, N. J. Owners, Masonic Temple Association, William Fort, chairman, 42 South Pennsylvania avenue, Atlantic City, N. J. Reinforced concrete, steel, brick, limestone, 2 stories and mezzanine, 85x115 feet, slag and slate roof, marble and maple floors (heating and plumbing reserved), metal lath, tile and marble, bond, iron stairs. Contract awarded to P. G. Hannum, Georgia avenue and Thorofare, Atlantic City.

Wax Building (alts.), Paulsboro, N. J. Architect, private plans. Owners, Vacuum Oil Co., Paulsboro, N. J. Hollow tile and reinforced concrete, 2 stories and basement, 26x80 feet, cement floors, plumbing, rolled steel sash, press foundations, tin covered doors. Contract awarded Fred Snare Corp., 1524 Chestnut street, Philadelphia. (Note correction.)

Factory Building, Blackwood, N. J. Owners, Blackwood Full Fashion Silk Hosiery Co., Blackwood, N. J. Brick, steel, face brick, 1 story and basement, 52x242 feet, reinforced concrete, plumbing, drainage, steam heat, electric light, sheet metal work, cold water painting, cement floors, mill work. Contract awarded William F. Lotz, 4644 Frankford avenue, Philadelphia, who is taking sub-bids due at once.

Residences (3), B, C, E (and Garages), Riverton, N. J. Architect, H. Fletcher Street,

1120 Locust street, Philadelphia. Owner, Charles S. Mears, Riverton, N. J. Stone, 2 stories, slag roof, hardwood floors, hot air heat, electric light, tile work. Contract awarded C. H. Moses, Edgewater Park, N. J.

Garage, Store Room, 45 North Stockton street, Trenton, N. J. Architect, private plans. Owner, Harry Howarth, 304 East State street, Trenton, N. J. Hollow tile and concrete block, 51x24 feet, slag roof, electric light, plate glass. Contract awarded to Putehat & Gars, 517 New Willow street, Trenton.

Residences (5), 103-4-5-6-7 Tudor Terrace, Northfield, N. J. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owners, Scheuer James Corp., Atlantic City, N. J. Frame, brick, 2½ stories, various sizes (lighting fixtures reserved), hot water heat, electric light, tile work, creosote-dipped shingle roof, hardwood and pine floors. Contract awarded C. S. Boslin, Wildwood, N. J.

Residences (2), 145-47 South Twenty-seventh street, Camden, N. J., \$14,000. Architect, Ernest L. Ergood, 104 Market street, Camden, N. J. Owner, Morris Gelfand, Camden, N. J. Brick, 2 stories, 16x45 feet, slag roof, hot water heat, electric light, hardwood and pine floors. Contract awarded to Wesley H. Bauck, Twenty-seventh and Cramer streets, Camden.

Residences (2), 415-17 North Thirty-sixth street, Camden, N. J., \$8,000. Architect, Arthur B. Gill, 328 Market street, Camden, N. J. Owner, M. Aristone, 3502 Westfield avenue, Camden, N. J. Brick, 2 stories, 16x44 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to William T. Harker, 112 North Thirty-sixth street, Camden, N. J.

Garage and Manufacturing Building, 313 Taylor avenue, Camden, N. J. Architects, Edwards & Green, 23 Broadway, Camden, N. J. Owner, John Kirby, care of architects. Block, 2 stories, 28 feet 6 inches x 60 feet 8 inches, slag roof, electric lighting, cement work. Contract awarded to Fred W. Frick, 1903 River Road, Camden, N. J.

Miscellaneous Construction News

Bungalow, Highland Park Club, Lake Wales, Fla. Architect, W. Leshner Blithe, 608 Chestnut street, Philadelphia. Owner, Alexander Wilson, Jr., president of Market Street Title & Trust Bank, Fourth and Market streets, Philadelphia. Hollow tile and rough cast, tile roof, hardwood and tile floors, hot water heat, electric light, tile and marble work. Plans completed. Bids being taken from local contractors.

Miscellaneous Contracts Awarded

Dormitory, Newark, Del. Architects, Day & Klauder, Franklin Bank Building, Philadelphia. Owners, Delaware University, on premises. Brick, concrete steel, cut stone, 3 sto-

ries and basement, 116x74 feet, steam heat, electric light, metal lath, marble and terrazzo work, kalamein doors, ornamental iron work, green slate roof, cement and pine floors, hollow tile, plumbing, bluestone, soapstone, clothes chute, flagstone, metal toilet partitions, membrane waterproofing. Contract awarded J. H. Hutchinson, Newark, Del., \$134,900.

Office Building, Forty-ninth and Madison avenue, New York City, N. Y. Architect, Frank E. Hahn, Seventh and Chestnut streets, Philadelphia. Owners, Forty-ninth Street Realty Corporation, New York City. Stone, steel, brick, concrete, 15 stories. Contract awarded Barras Const. Co., 336 Madison avenue, New York.

Proposal

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., Oct. 15, 1925.—SEALED PROPOSALS will be opened in this office at 3 P. M., Nov. 12, 1925, for remodeling and enlarging the U. S. Post Office at Fulton, N. Y. Drawings and specifications may be obtained from the Custodian at Fulton, N. Y., or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

GREATEST NATIONAL CONFERENCE IN THE HISTORY OF THE CONSTRUCTION INDUSTRY

As part of its Annual Meeting this year, which will take place in Chicago on November 18th to 21st, the American Construction Council will hold a series of conferences of the greatest importance to the construction industry and American business in general.

One of the principal features of the meeting will be a national conference on Better Building. This will be a two days' session and will be attended from all parts of the country and Canada by representatives of the various branches of the industry, including building investment, design, insurance, manufacturing, builders, labor and public officials and all others interested.

This conference is designed to bring out the particular place that each branch of the industry holds in the entire problem of Better Building and its relation to the public. The place of craftsmanship and apprentice training in Better Building will also receive consideration.

The American Construction Council has been the leader nationally in a num-

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ber of movements on fundamental questions confronting the construction industry and its relation to the public. It has been particularly vigorous on the problem of Better Building, having inaugurated several years ago a nationwide campaign to promote better quality of construction and sounder financing in building, especially housing. The newspapers of the country have given enthusiastic support to the movement and the active co-operation of many elements of the industry, including loaning institutions, has already been pledged to assist in putting the desired remedies into practice. The Council's General Committee on Better Building, under the Chairmanship of Mr. Rudolph P. Miller, of New York, has been preparing literature on this subject for national distribution to prospective home owners as well as co-operating with loaning institutions and others in getting proper standards set up.

In this connection attention is called to the fact that Regional Committees of the Council are being inaugurated in leading construction areas of the country so as to bring together the various branches of the industry in their respective districts to handle questions of common concern. These committees, for example, will help develop measures for better planned, better financed, and better constructed homes in these communities.

The third day of the Council's meeting will begin with a general session on the reduction of construction peaks and depressions. Aside from general discussion there will be a report of the joint committee of the Council and the American Railway Association on the co-ordination of publicity for a country-wide campaign on greater stabilization of construction.

There will also be a session on local building congresses. Another session will be devoted to the place of commercial arbitration in the construction industry with special reference to its national aspects.

On Saturday, November 21st, there will be a national conference on highway construction, particularly as it relates to better building of highways.

Group meetings of the constituent elements of the Council for discussion of special problems and the election of representatives to the Council's Board of Governors will be held. A meeting of the Board of Governors and the Executive Committee will precede the opening of the general sessions of the Council on the 18th.

In addition to persons within the industry who will discuss the particular topics, speakers of national prominence will address the general sessions of the Council's meeting.

The concrete benefits of the Council's efforts are becoming so well recognized

by the public and the industry itself that these conferences are expected to attract a wide attendance and give further incentive to individuals and organizations toward the further support of its work.

REVIEW OF OPINION ON WINTER CONSTRUCTION

IS IT REALLY EVER TOO COLD TO BUILD?

A digest of opinion taken from government reports, engineers, architects, contractors, and leading building journals shows that the building industry as well as the public no longer believes that it is necessary to suspend construction work during winter weather. Government records show that there are but few days in the average winter when temperatures are near zero during working hours even in cities as far north as Chicago, New York or Boston.

"Custom, not climate, is mainly responsible for seasonal idleness in the construction industries" reports the committee which Secretary Hoover appointed to investigate the situation.

Quoting from the report we read that:

"The burden of idleness falls most heavily not on the producers and distributors but on the employes and the public. Construction costs are high in part because of the seasonal hazard which affects each step of the construction process from felling timber, quarrying rock, manufacturing brick, cement, tile, plaster, and a hundred and one other commodities, transporting these materials by railway, waterway, and highway, distributing them through retail supply dealers, clearing of site and excavating, to the completion and furnishing of the finished building. Idle time represents waste and direct losses to the construction industries, the workers, and the public."

Turning to another cabinet official for information, James J. Davis, Secretary of Labor, says that "more than 11,000,000 of our people are dependent for their living on the construction industry." And from a survey of normal conditions in Boston by a *Building Congress* we learn—

"That the workmen in the industry are, on an average, occupied for about 75 per cent. of the time, or nine months a year. During the time when they are employed they must be paid enough to support them and their families in the idle period, the equivalent of an enforced three months' vacation with pay. The Congress estimates that this costs the owners of property and renters in Boston \$10,800,000 annually."

From these figures the loss to the people in Boston caused by seasonal idleness in the construction industry is found to be \$14.80 per capita per year and if the

average loss per capita in Boston resulting from seasonal idleness is applicable to the nation as a whole, the people of the United States pay out \$1,564,360,000 annually to support those engaged in the construction industries and their families during such periods of unnecessary idleness. This would build 52,000 miles of permanent highway pavement each year or erect 31,000 schools at \$50,000 each.

As the *Constructor* sees it, "The construction industry has a remarkable opportunity to engage in valuable foresight in connection with the winter building campaign at this particular time. Every word now spoken and every action now taken to aid the effort to eliminate seasonal depression will show its effect in months to come."

D. Knickerbacker Boyd, President of the Philadelphia Building Congress discusses in *Engineering News-Record* the causes of inactivity in construction in the winter months, saying that:

"More possible working days are lost by workers in the building 'trades' than by those in almost any other industry."

"The year's work is literally 'shot to pieces' by intermittency, due to unemployment, not only from seasonal causes, which for the most part could be overcome, but from other causes many of which are related. Among them is (1) indoor work so often unnecessarily required to be done in warm weather and in a crowded construction period when it could be deferred till colder weather and a lowered employment period, (2) demolition not being started until the time of the year that the new construction which replaces the old should itself be under way, (3) lack of foresight in ordering or assembling materials or fabricated products in advance of construction needs, (4) delays in closing contracts with subcontractors sometimes unfortunately due to the other unfair practice of 'shopping' for lower estimates."

The Hoover Committee finds that the situation is bad from the employer's standpoint, since available statistics from all elements of the building industry show that the average workman is forced to idleness during anywhere from 25 to 35 per cent. of the year. This means that good mechanics are out of work and looking for work during three or four months of the year, using up the savings they have laid aside during the busy season.

The slackening of construction affects not only labor but material dealers and contractors as well. The Report goes on to say:

"That there are months when sales of most building materials drop off sharply is indicated by replies from dealers all over the country. Four hundred questionnaires were sent out, asking for 1922 sales of various materials month by

month. The general high level of sales for practically all materials, as shown by the replies received, comes in the five months from June to October. From the latter month there is a rapid decline which reaches a low point in January or February. The volume of sales then starts to pick up and increases steadily until the peak is again reached."

How winter idleness is being fought with unusual success in Rochester, New York, is told in a recent editorial in *Engineering News-Record*. The campaign has been carried on primarily by the Community Conference Board sponsored by the Chamber of Commerce.

"This board is made up of men representative of various interests in the construction industry and began work in the fall of 1921. Its effectiveness was shown almost immediately. During the first winter of 1921-22, as a result of publicity, urging winter remodeling and redecorative work, over 17,000 days of work were provided. An increasing amount of this work has been done every succeeding winter. In 1921 the December-March permits for building were 20 per cent. of the year's total. In 1924 they were 27 per cent. of this total."

WINTER CONSTRUCTION ON THE INCREASE

The building season is gradually being lengthened as the result of a drive undertaken by the Construction Industries in co-operation with the Department of Commerce. This fact has been established through a survey made by the Division of Building and Housing of the Department at the direction of Secretary Hoover to determine what results were being obtained. Reports from contractors in sixteen large cities show that payrolls and material purchases were relatively larger in the winter months of 1924 than in those of 1923. The 1923 figures in turn showed an increase over 1922. Payrolls and material bills are measures of building activity which follow actual work very closely.

The large number of contractors who answered the Department's inquiry gave figures showing for each month the percentage of the year's total. Practically all replies had the same trend, making an average a fair statement of conditions as given. Changes in general business conditions and a difference in the weather undoubtedly had some share in the result. But making allowance for such factors, a distinct improvement in the relative amount of winter building is apparent.

There are already favorable indications for the coming winter. The August figures for contracts awarded for all classes of construction have proved to be the highest ever known. Many of the opera-

tions represented by these contracts will undoubtedly be carried over into the cold weather.

All groups in the building industry are trying earnestly to bring about a more equal distribution of work throughout the year. Their efforts are bringing results. More and more people are becoming convinced that winter construction is both practical and economical. The growth of this belief is certain to result in steadier employment and more efficient construction service.

WINTER-TIME BARGAINS FOR BUILDERS AND OWNERS

In an address before the New York Building Congress, John W. Lowry told how "an expenditure of \$3,863 for protection of workers and materials saved \$87,710 on a job costing \$750,000." He explained how the efficiency of bricklayers increased 18½ per cent over the summer before, which accounted for a \$5,360 saving, bricklayers bonuses to the amount of \$11,260 were eliminated, savings on labor and subcontractors over the previous summer prices amounted to \$16,030 additional, and so on through the entire list of savings.

W. J. Barney, president of a large contracting firm in New York City says:

"From our files, I have taken three typical contracts, and the amounts given under the total contract column are practically for the reinforced-concrete structure, the enclosing walls, sash and roof, in other words, for that part of the building which requires protection from winter winds, freezing and cold in the course of construction. Once the building is enclosed, the matter of heating for the finishing trades is comparatively simple, especially if the permanent heating plant has promptly followed up the structural work. In a general way, about 5 per cent. of the contract represents the cost of winter protection.

"Total contract, \$263,000; time of protection, December-January; cost of protection, \$13,000; percentage costs, 5.

"Total contract, \$180,000; time of protection, December-January; cost of protection, \$8,800; percentage costs, 4½.

"Total contract, \$95,000; time of protection, January-February; cost of protection, \$6,300; percentage costs, 6½.

"This, however, does not represent the true cost of winter construction. As the cost of this winter protection, especially under present conditions of the labor and material markets, is more than offset by the lower cost of materials during the winter, the absence of bonuses paid to mechanics, and a greater efficiency of mechanics under conditions when work is not so plentiful."

Mr. Barney further found economies, in that lumber purchased in June cost

approximately 10 per cent. more than if purchased in November, and particularly ¾ inch boards which are largely used for form construction cost \$1 per thousand less in November than in August. He also found important savings in common brick for curtain walls, reinforcing steel, and received the benefit of a seasonal drop in cement. His idea of the efficiency of labor working on winter jobs is given in the following paragraph:

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"We know that it is now possible to obtain practically all laborers and skilled mechanics, especially in reinforced-concrete construction, at the established union rates, and that, moreover, the men are anxious and willing to work efficiently and skillfully and have interest in holding their positions."

During the past five years, the Dwight P. Robinson Construction Co. has been on at least 20 jobs where excavation, concrete and masonry work was done in winter months, but as D. D. Dick, Assistant Construction Manager for the company tells *American Contractor* "in no case did the cost of protection amount to as much as closing down the job nor equal the carrying charges on the investment during the delay in the completion of the work," while Alfred S. Alschuler, a prominent Chicago architect tells the same magazine that "it is certainly 'conservative' to say that winter construction will cost an owner no more than summer work and in many cases owners will profit by proceeding with their work regardless of weather conditions."

To the contractor who fears that his labor will be slowed down by cold weather, A. P. Greensfelder, Vice-President of the Associated General Contractors says:

"Have you ever stopped to realize how summer heat affects your labor and slows up their production?"

"One quarryman has declared that he would rather shut down his quarry when it is 100 degrees in the shade and operate it a month longer in the winter time when it is only 20 degrees in the sun."

"I am inclined to agree with him that his efficiency per man-hour would be greater in the cold weather than in the extremely hot months."

On the same subject, Sanford E. Thompson of the Hoover Committee compares labor productivity in summer and winter. The comparison shows an average of approximately 15 per cent. saving in brick masonry labor, about 6 per cent. saving on reinforcement labor, and about 11 per cent. saving on concrete labor while the form labor costs about 8 per cent. more on account of the difficulties encountered by carpenters in handling tools and nails when encumbered with heavy clothing and gloves.

Halbert P. Gillette, Editor of *Engineering and Contracting* writes: "When consideration is given to all the elements of costs, then winter building construction becomes so clearly economic that even the most deep set habit of aversion to it cannot survive."

HOUSING ESSAY PRIZES

*Better Homes for Brain-workers
World-wide Movement*

In an effort to encourage better housing for intellectual workers, the Interna-

tional Federation of Building and Public Works, with headquarters at 17 Avenue Carnot, Paris, France, announces the organization of an international essay competition for which Willard Reed Messenger, of New York, has offered \$1,000 in prizes. The first prize will be \$500; the second prize \$300; the third prize \$200.

Participants should submit their papers typed in French or English not exceeding four to five thousand words which may be accompanied by sketches, not later than January 15th, and prizes will be awarded the following month.

Papers should include the four following divisions, states the official announcement just issued from Paris.

I. Administrative or legislative measures for facilitating the construction of houses intended for the middle classes or intellectual workers.

II. Financial policy,—loans, amortization, etc.

III. New construction methods intended to reduce the cost of building, together with sketches.

IV. Conclusions.

The data submitted and sketches must bear some legend or pseudonym and be sent with an enclosed plain, sealed envelope bearing only the legend on the outside and containing enclosed the name, address and profession of the competitor, which will be opened only after the winners have been selected by the Jury of Judges.

The Jury will include at least two American members, three members will be named by the International Federation and three by the French National Federation, and three members named jointly by these two organizations. The Jury will choose its own President.

The subject of better housing for brain-workers was given primary consideration at the bi-ennial Congress of the International Federation, held in Paris in June, at which forty nations were represented, and to which President Coolidge appointed several American delegates.

STUCCO WALL TREATMENT

When stucco is used it should be applied in different textures to homes of different period-designs. First, because some textures harmonize better than others with certain architectural styles. For instance, a heavy brush finish that would appear well on a Spanish dwelling would be a false note in a Colonial design.

Another reason is that each great period developed its own method of handling stucco. These methods produced distinctive textures. So the old English stucco surface is different from the early Ital-

ian or the California mission surfaces. The texture is, in fact, part of the style.

This doesn't mean there is only one kind of stucco work for each kind of house. The individual has plenty of freedom for the expression of his taste. But there are certain types of finish that should be used on homes of various period-designs.

Spanish builders applied white, yellow or pink stuccos with coarse brushes and then smoothed down the shaggiest spots by hand. This produced a thick rough surface which gave a strong effect of light-and-shade under the intense sunlight. A modern plasterer can get the same result by making broad sweeps over the surface with a wall brush.

The French is another brush texture. But it isn't as heavy or irregular as the Spanish, and it shows parallel up-and-down brush marks. Light greys, creams and white are typical of the French stuccoed cottage. This finish is simple to reproduce with a stiff brush or broom.

Early Italian and English Cottage are the two types of home that rough trowel textures harmonize with. The Italians used white, buffs, pinks and cream. Their textures can be reproduced today by applying the stucco in an uneven surface and then roughening it as it begins to set by dragging the back edge of the trowel in short curved strokes.

On the old half-timbered English cottage, the plasterers strove for a smooth surface but seldom got it. Semi-circular marks of their rude trowels were left visible, giving an effect that is part of the quaint charm of the housing. This effect can be obtained by working the trowel at an angle so that it gouges the surface. The typical English colors are soft buffs, tans and greys.

Rough cast or spatter-dash surfaces in reds, tans, buffs and yellows are typical of the California missions. The textures can be produced by bringing the stucco to an even surface, then spattering it with a thinner creamy mix, using a long fiber brush or whisk broom.

Contrasting with these heavy textures is the American Colonial. Whenever the colonists used stucco, they finished it with a wood float which left an almost smooth texture resembling a fine stipple. This may be done today by any plasterer who knows how to handle a wood float.

These are examples of the ways stucco may be harmonized with period-designs. The desired effects can be had from any Portland cement stucco-finish into which mineral colors are ground at the factory.

Stucco should be reinforced by a self furring welded steel fabric. There should be two base coats totaling seven-eighths inch to an inch thickness, and the finish coat should be an eighth to a quarter inch thick.—*The Small Home*.

Reference Directory for Architects, Builders and Owners

ARTESIAN WELLS.

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S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES.

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINTS.

Blue Print Shop.....1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINT PAPER.

Blue Print Shop.....1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS.

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

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Cox, Janeway, & Co., Real Estate Trust Bldg., Phila.
BRICK (Face, Common, Paving).
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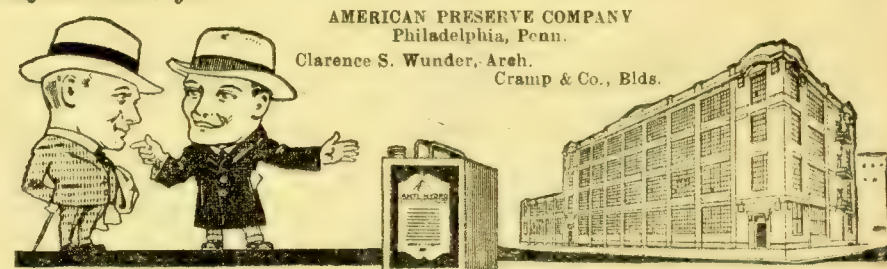
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October 28, 1925

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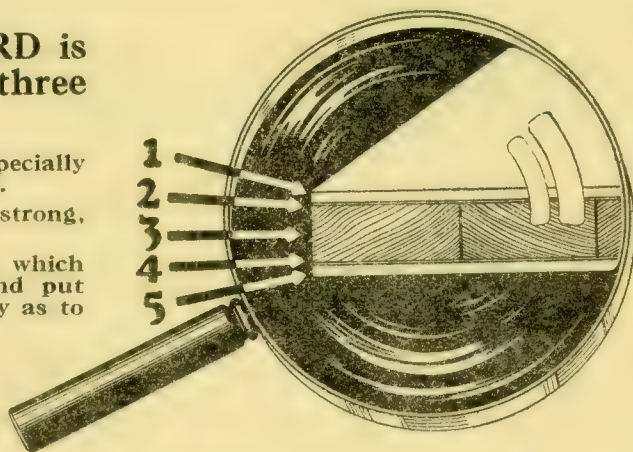
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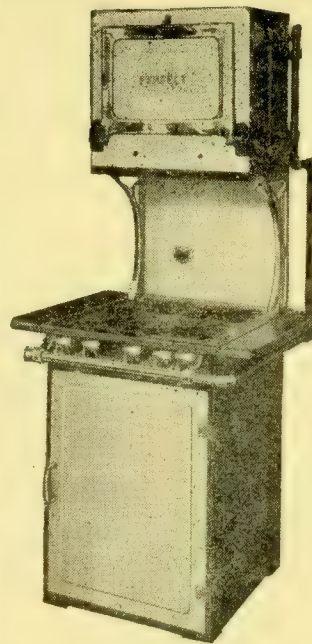
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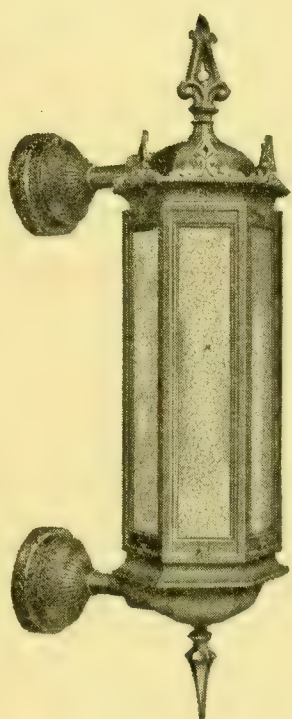
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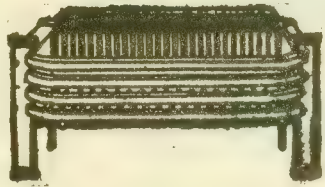
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Philadelphia, Pa.

BUILDERS' GUIDE

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As The Editor Sees It



REVIEW OF OPINION ON WINTER CONSTRUCTION

(Continued from last issue)

CHANGES IN ART OF CONSTRUCTION

The changes in methods and improvement in construction equipment have been scarcely less astounding in the last generation than the discoveries in medicine and chemistry and the inventions of machines and improvements of methods in the fields of industry and transportation.

On this subject J. Reid Kilpatrick, Vice-President of Geo. A. Fuller & Co., of New York City says:

"Excavating is now as simple and as easy in the winter as at any other time of the year. We never see hand excavation any more. It is all done by steam shovels which can work in frozen ground very nearly as easily as they can when the ground is soft. The placing of the concrete is not a serious problem. It is a very simple matter to heat the aggregate. We have poured concrete at 40° below zero in Canada.

"The opinion has existed for some time that steel work in winter is particularly hazardous on account of ice and snow. I have investigated this and find that there is really no difference.

"We can lay brick at 23 to 25° above zero. As our various foremen have told us, they are convinced that we can go considerably lower than that if necessary."

In another article Mr. Kilpatrick states that:

"As regards New York, we have prepared careful statistics extending from 1912 to 1922, a 10-year period, and we have found the average length of time that a winter building program would be rendered impossible due to temperature conditions is 14 days. Winter work is not new, revolutionary or untried. We have been doing it in New York on big jobs for the last 23 years."

C. S. Hill, Associate Editor, *Engineering News-Record*, in a study of the situation writes:

"In no respect, perhaps, has the contractor been so much aided in his ability to work in winter as by wide invention and improvement in construction equipment. Let us look at a single illustration. Without the modern highly improved hoisting machine and the pneumatic hammer, steel framework would have fallen considerably short of its present possibilities of being successfully prosecuted in winter.

"It is practicable to consider only broad phases in equipment development as it has affected winter work. Machines and even types of machines are too numerous to be considered individually. The phases are: (1) size and power, (2) mobility, (3) mechanical perfection and, (4) special-purpose machine invention.

"Increase in size and power aids the winter builder in a number of ways:

"1. Larger shop-fabricated units can be

handled, as in steel erection and form construction, thus reducing manual operations in the field.

"2. In concrete work larger containers, buckets and cars conserve the temperature of heated concrete.

"3. In excavation the heavier shovels readily dig frozen ground and with motor trucks, larger cars and more powerful derricks the frozen earth and rock can be loaded and hauled in larger pieces and so reduce secondary reduction in pit and quarry.

"Summed up in a sentence, the present high development in variety, power, mobility and mechanical perfection of construction equipment reduces the necessary human elements in winter construction."

The fiftieth Anniversary Number of *Engineering News-Record* which appeared April 17, 1924, traces the development not only of machines in the preceding half century but the improvements in methods as well. These stories of advances in equipment and methods are as captivating as any popular fiction.

The first percussion rock drill was introduced in 1849. It was operated by steam at first but compressed air was substituted a year or two later. For the first years, improvements were slow but these original drills, crude though they were, were the forerunners of our present day drilling tools of near mechanical perfection and compactness.

The first patent for a power shovel was

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granted by the U. S. Government in 1839 to Wm. Smith Otis. It was operated by steam, whereas modern excavating machinery is operated by electricity, gasoline engines, compressed air, or heavy oil engines of the Diesel type, as well as steam.

In reviewing the development of construction equipment, the Anniversary Number of *Engineering News-Record* states:

"Material costs and labor rates have steadily gone up but the unit of production has as steadily increased, so that, as William Mulholland points out on another page of this issue, 'the cost of completed work remains about the same, mainly due to a great improvement in mechanical means of doing work.'

"This is the great contribution of the machinery builder to the progress of the past half century. For the American contractor of today, the equipment manufacturer has provided an efficient machine at a reasonable price for almost every one of the scores of operations formerly done by hand. In no other country in the world is the range of selection so wide and the design and materials so perfected."

It is sometimes said that materials of construction have changed but little since ancient times. It is true that materials used by the ancients are still in use but many new materials have been introduced in the last few decades. The first portland cement made in this country was produced in 1872. The production of rolled steel shapes in large quantities did not begin until 1890. The influence of reinforced concrete became important only about 1910—and since then a number of buildings 20 stories or more in

height have been constructed entirely of reinforced concrete. On this subject the Hoover Committee says:

"Steel construction could hardly have attained its present independence of the weather but for the hoisting engine and the use of air-driven tools. The former was adapted for building purposes about 1895. It not only lifts heavy parts to place without the risk attendant upon raising by hand, particularly in times of cold and wet, it also makes it possible to use much heavier members than could practically be raised by hand, and thus increases the amount of fabrication which can be done in the shop under cover."

The Hoover Committee outlines the developments in electrical power which eliminate many of the difficulties attending the operation of steam boilers under cold weather conditions. It points out that steam and electric hoists have eliminated many of the dangers of accidents so common when labor was used to carry heavily loaded hods up uncertain ladders. The Committee also remarks on the effective use of compressed air in building operations.

Continuing, the Committee reviews the progress of reinforced concrete in building construction as follows:

"The only other recent development which rivals structural steel as an improvement in building construction is that of reinforced concrete. Reinforced concrete was the subject of much experimentation in the eighties and nineties and came into general use between 1900 and 1910. It now competes with structural steel in practically all fields where the latter has been used, choice of the two materials depending on such factors as availability, cost of transporting materials, type of labor supply adaptability to special purposes, or personal preference. Building with concrete essentially is more subject to climatic handicaps than with structural steel, but an elaborate tech-

(Continued on page 687)

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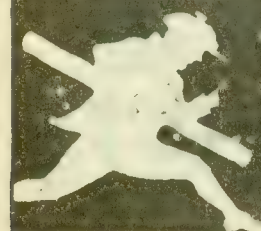
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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Bank Building, Southwest corner Broad and Nedro Avenue, Philadelphia. Architect not selected. Owner, Fern Rock Trust Co., S. B. Davis, Southeast corner Broad and Nedro Avenue. Work contemplated. Architect not selected.

Garage, Broad and Chelton Avenues, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, Joh Lis, 4706 North Broad street, Philadelphia. Brick, steel, 2 stories and basement, 150x40 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash, ornamental iron work. Architect taking new bids.

Apartment House, Fiftieth and City Line, Philadelphia. Architect, Joseph F. Lowery, Land Title Building, Philadelphia. Owner, name withheld. Brick, stone, 4 stories. Plans in progress.

Apartment House, Forty-first and Baltimore avenue, Philadelphia. Architects, Neubauer & Supowitz, 929 Chestnut street, Philadelphia. Owners, Local Development Co., Twenty-second and Walnut streets, Philadelphia. Brick, terra cotta, stone, 4 stories. Plans in progress.

Transportation Building, Broad near Patterson street, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Sesqui-Centennial Exposition, Fifth and Chestnut streets, Philadelphia. Metal lath, stucco, steel, 1 story, 1000x400 feet, built-up roof, pine floors, electric light, rolled steel sash. Plans in progress.

Automobile Exposition Building, Broad near Pattison street, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Sesqui-Centennial Exposition, Fifth and Chestnut streets, Philadelphia. Metal lath, stucco and steel, 1 story, 1500x300 feet, built-up roof, pine floors, rolled steel sash, wood pile foundations. Plans in progress.

Exposition Buildings No. 3 and No. 4, Broad near Pattison avenue, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Sesqui-Centennial Exposition, Fifth and Chestnut streets, Philadelphia. Metal lath, stucco and steel, 1 story, 900x400 feet, built-up roof, pine floors, electric light, rolled steel sash, wood pile foundations. Plans in progress.

Fraternity House, Thirty-ninth and DeLan-

cey streets, Philadelphia. Architects, John I. Bright and Harry Sternfeld, Otis Building, Philadelphia. Owners, Delta Kappa Epsilon, 4440 Spruce street, Philadelphia. Stone, 2 stories. Plans in progress.

Residence (alts. and add.) to Office and Apartment, 3414 Chestnut street, Philadelphia. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owners, Tobin, Desher & Co., 3110 Market street, Philadelphia. Brick, new front, 1 story. Plans in progress.

Apartment House, Oak Lane, Pa. Architect, R. R. Neely, 2301 Spruce street, Philadelphia. Owner, name withheld. Stone, 2 and 3 stories, 275x80 feet, 3 wings, 60x30 feet, hot water or vapor heat, electric light, slate roof, hardwood floors, tile, marble and terrazzo work, limestone, iron stairs. Sketches drawn. Plans about to be started.

Apartment House, Central Philadelphia, \$1,500,000. Architect, Benjamin Shulman, 1722 Arch street, Philadelphia. Owner, name withheld. Brick, steel, concrete, limestone, stone, 10 stories, size of lot 112x190 feet (3 street fronts), slag roof, hardwood and concrete floors, elevators, steam heat, electric light, tile and marble work, hollow metal skylights. Preliminary plans in progress.

Residence, Erdenheim road, Germantown, Philadelphia. Architect, Paul M. Hesser, 225 South Sixth street, Philadelphia. Owner, Anna K. Oppenlander, care of architect. Plans in progress.

Apartment House and Stores, Northeast Corner Twentieth and Mt. Vernon streets, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owner, care of architect. Steel, stone, brick, 4 stories and basement, 20x100 feet, slag roof, composition and hardwood floors, vapor heat, oil burner, electric light, metal lath, tile and marble work, hollow metal sash and skylights, fire and kalamein doors, store fixtures, bond, metal bulks, ornamental iron work. Plans in progress.

Residences (6), Stores (1) and Apartment, Northwest Corner Seventeenth and Grange streets, Philadelphia. Architect, private plans. Owners, Brown & Caruso, Atwood road and Lansdowne avenue, Philadelphia. Brick, 2 stories and basement, 16x62 feet, 2 stories, 16x70

feet, hot water heat, electric light, tile work, slag roof, hardwood floors. Ready for sub-bids.

Outpatients' Building, Eighth and Spruce streets, Philadelphia. Architects, Zantzinger, Borie & Medary, Otis Building, Philadelphia. Owners, Pennsylvania Hospital, on premises. Plans about completed. Architect will be ready for bids in a few days.

Warehouse, 1627 East Passyunk avenue, Philadelphia. Architects, Neubauer & Supowitz, 929 Chestnut street, Philadelphia. Owner, Joseph Reinhart, 1629 East Passyunk avenue, Philadelphia. Brick, 2 stories, slag roof. Plans about completed. Architect will be ready for general bids in one week.

Garage, 215 North Spangler street, Philadelphia. Architect, John J. Carroll, 1619 Chestnut street, Philadelphia. Owner, Ralph W. Fischer, on premises. Alterations for office and shop, steam heat, steel partitions, electric light, tile work, plank floors, plumbing, painting and glazing. Owner will take sub-bids.

Storage Warehouse, Church Lane, Germantown, Philadelphia. Architect, George S. Kingsley, 1452 Broadway, New York. Owners, Wallace Storage & Carpet Cleaning Co., 1826 North Twentieth street. Brick, steel, concrete, 75x120 feet, cement floors, rolled steel sash, electric light, dampproofing, ventilating. Plans in progress. Will be ready for bids in about a month.

Alterations and Additions, 4517 Walnut street, Philadelphia. Architects, J. L. Stetler and H. M. Deysher, Jefferson Building, Philadelphia. Owners, Belvidere Apartments, John Deisel, 4517 Walnut street, Philadelphia. Brick, dressed stone, cement, concrete, steam heat, electric light, metal lath, tile and marble work, metal lath, fire doors, tile and composition floors, elevators, carpentry and mill work, structural steel, painting and glazing, plastering, refrigerators, plumbing. Owners will build.

Residences (33), Apartment House, Ogontz avenue and Seventy-fifth street, Philadelphia. Architect, private plans. Owner, Raymond R. Rafferty, 4128 North Broad street, Philadelphia. Brick, steel, 2 stories, 16x63 feet, apartment house, 18x63 feet, hot water heat, electric light, tile work, ornamental iron work,

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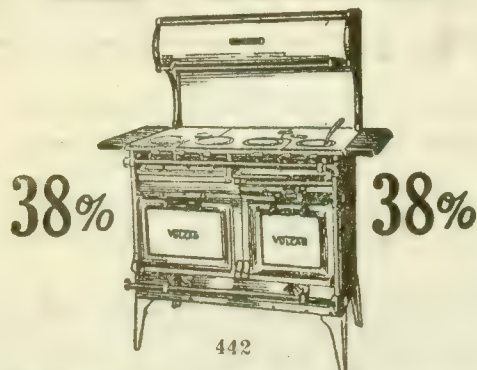
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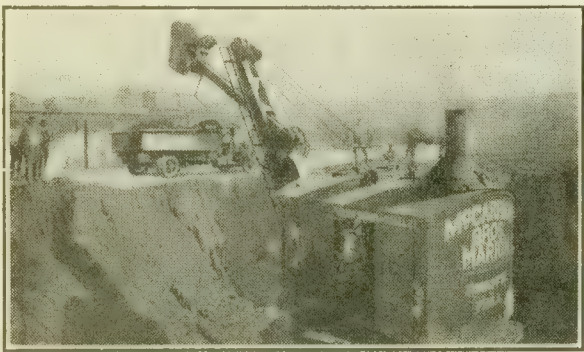
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Residences (80) and Stores, Torresdale, Loring and Shelmire streets, Philadelphia. Architect, private plans. Owner, Carl E. Swoboda, 5346 Locust street, Philadelphia. Brick, steel, 2 stories, 16x40 feet, 18x40 feet, hot water heat, electric light, tile work, slag and tile roof, oak and pine floors. Owner ready for sub-bids.

Residences (26), Shelmire and Torresdale avenue, Philadelphia. Architect, private plans. Owners, Levicoff & Kaplan, 4231 Viola street, Philadelphia. Brick, steel, 2 stories and basement, 16x40 feet, slag roof, oak floors, hot water heat, electric light, tile work, ornamental iron work. Owners ready for bids in a few days.

Residences (19), 7600 North Torresdale avenue, Philadelphia. Architect, private plans. Owner, Samuel Rochlis, 1518 North Fifth street, Philadelphia. Brick, 2 stories, 16x44 feet, tile and slag roof, oak and pine floors, hot water heat, electric light. Owner ready for sub-bids.

Residences (5), Primrose road, between Frankford avenue and Ditman street, Torresdale, Pa. Architect, private plans. Owners, George H. Evans, Inc., 105 North Thirteenth street, Philadelphia. Brick, stucco, stone, 2 stories and basement, 40x23 feet, 33x30 feet, 33x15 feet, 41x27 feet, slate and shingle roof, oak and pine floors, hot water heat, electric light, tile and marble work, ornamental iron work. Owners taking sub-bids due as soon as possible.

Junior High School, Seventeenth and Pike streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, cut stone, steel, granite, 5 stories and basement, 270x161 feet, asbestos slate, composition and tile roof, maple floors, hollow tile, safety treads, shoring, waterproofing (Toeh Brothers), ornamental iron work, iron stairs, bond, hollow metal doors, rolled steel sash and skylights, tile work, metal lath, corner beads, incinerator, area gradings, membrane waterproofing. Owners taking bids due November 4th at noon.

Alterations to City Hall, Philadelphia. Architect, P. H. Johnson, Widener Building, Philadelphia. Owners, Department of Public Works, Bureau of City Property. Ventilation of Quarter Session Court No. 3, Room 296; Quarter Session Court No. 1, Room 453; Court of Oyer and Terminer, Room 653 (subject to appropriation). Owners taking bids due October 30th at noon. Certified check.

Office and Apartments (alts.), 2045 Spruce street, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owner, Miss Sara B. Benn, on premises. Bond, demolition, brick work, flagstone, carpentry and mill work, plastering, marble and tile, iron work, tin roof, hardware, painting and glazing, hot water heat, plumbing, wrought iron pipe, electric work. Architects taking bids due October 30th at noon.

Residence, Norman Lane, West of Germantown avenue, Chestnut Hill, Pa. Architect, Robert Rodes McGoodwin, 1600 Walnut street, Philadelphia. Owner, Mrs. Margaretta M. Scott, care of architect. Stone, 2½ stories and basement, 100x50 feet, slate roof, oak and pine floors, hot water heat, electric light, tile work, ornamental iron work. Architect taking bids due October 30th.

Residence and Garage, Bustleton Pike, North of Boulevard, Philadelphia. Architect, Samuel D. Milner, 1117 Foulkrod street, Philadelphia. Owner, Harry Holder, 4830 Frankford avenue, Philadelphia. Stone, concrete, 2½ stories, 27x41 feet, 1 story, 18x22 feet, red slate roof, hardwood and cement floors, hot air heat, electric light, tile and marble work. (Architect taking bids due as soon as possible.

Garage, 2020-26 Bancroft street, Philadelphia, \$10,000. Architect, private plans. Owner, P. L. Richman, 2020 Bancroft street, Philadelphia. Brick, 2 stories, 50x44 feet, slag roof, cement floors, steam heat, electric light. Permit granted.

Residences (2), West side Van Dyke street, North of St. Vincent street, \$4,000 each. Architect, private plans. Owner, Michael Fornaro, 7256 Hegerman street, Philadelphia. Brick, 2 stories, 16x46 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Residences (3), 7014-16-18 Upland street, Philadelphia, \$2,400 each. Architect, private plans. Owner, Samuel J. Jones, 2118 South Seventy-first street, Philadelphia. Brick, 2 stories, 14x34 feet, hot air heat, electric light, pine floors. Permit granted.

Storage Shed, Northwest Corner Twenty-fifth and Wharton streets, Philadelphia, \$3,000. Architect, private plans. Owners, Vare Construction Co., 1120 Race street, Philadelphia. Iron, 1 story, 160x5 feet. Permit granted.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of City Property, Philadelphia. Owners taking bids due October 30th at noon. Making, assembling and installing museum cases and appurtenance for the National Museum, Sixth and Chestnut streets; supplying and spreading a manure in quantities and locations spe-

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Grading, Philadelphia. Owners, Department of Public Works, Bureau of Engineers, 216 City Hall. Owners taking bids due October 30th, noon. Schedule A, grading and improving of city property, Fortieth Ward. Certified check 5 per cent. of bid. Inquire Room 416.

Residences (17), Cheltenham, Hancock and Sylvester streets, \$76,500. Architect, private plans. Owners, P. J. and R. P. McFarland, 2409 East Allegheny avenue, Philadelphia. Brick, 2 stories, (2) 15x38 feet, (15) 15x28 feet, 12x10 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Stores and Auditorium, Northeast Corner Bryn Mawr and Wynnefield avenues, \$50,000. Architect, private plans. Owner, Thomas F. Reilly, Fiftieth and City Line, Philadelphia. Brick, 2 stories, 56x90 feet, slag roof, steam heat, electric light. Permit granted.

Studio and Garages, 6136-38 Cedar avenue, Philadelphia, \$12,000. Architect, private plans. Owner, P. J. Reeves, 3219 Chestnut street, Philadelphia. Brick, 1 story, studio 30x76 feet, garage 17x18 feet, slag roof, electric light, cement and wood floors. Permit granted.

Office (add.), Northwest Corner Bristol and King streets, Philadelphia, \$3,000. Architect, private plans. Owners, David Bros., Inc., 4250 Wissahickon avenue, Philadelphia. Brick, second story add., 24x36 feet, electric lighting, pine floors. Permit granted.

Store, East side Second street, South of Nedro avenue, Philadelphia, \$4,500. Architect, private plans. Owner, James F. Nolen, 364 East Church Lane, Philadelphia. Brick, 1 story, 36 x irregular, slag roof, pine floors, electric light. Permit granted.

Residences (17), Cornelius and Herman streets, Philadelphia, \$99,000. Architects, Lehigh Engineering Co., Sixth street below Lehigh, Philadelphia. Owners, Hancy & Hannigan, 1447 West Cayuga street, Philadelphia. Brick, 2 stories, slag roof, pine floors, hot water heat, electric light. Permit granted.

Building, Southeast Corner Fifty-eighth and Beaumont avenue, Philadelphia, \$90,000. Architect, I. M. Levin, 1011 Chestnut street, Philadelphia. Owner, Hyman Barkan, 6201 Christian street, Philadelphia. Brick, 8 stories, slag roof, pine and cement floors, electric work, steam heat. Permit granted.

Residences (2), West side Hollis street, North of Vernon road, \$18,000. Architect, private plans. Owner, John Roman, 414 East Brighthurst street, Philadelphia. Brick, 3 stories, 15 feet 7 inches x 46 feet, hardwood and pine floors, electric work. Permit granted.

Residences (2), North side Elmwood avenue, West of Seventy-second street, \$4,800 each. Architect, private plans. Owner, Arthur Carmenati, 7300 Paschall avenue, Philadelphia. Brick, 2 stories, 16x55 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residences (2), South side Lyons avenue, West of Eighty-third street, Philadelphia, \$4,500 each. Architect, private plans. Owner, Odell White, 8300 Lyons avenue, Philadelphia. Brick, 2 stories, 16x28 feet, 12x12 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residences (28), Walnut lane, Woolston, Middleton and Wister streets, \$122,600. Architect, private plans. Owner, Raymond G. Frick, 2960 North Judson street, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residences (27), Shelmire and Edmund streets, Philadelphia, \$3,000 each. Architect, private plans. Owners, Kaplan & Levicoff, 4231 Viola street, Philadelphia. Brick, 2 stories, (2) 16x38 feet, (25) 16x27 feet, 11x11 feet, hot water heat, electric light. Permit granted.

Residences (31), Hegerman, Faust and Van Kirk streets, \$126,000. Architect, private plans. Owners, Fisher & Eskin, 4106 Westminster avenue, Philadelphia. Brick, 2 stories, (2) 18x45 feet, (29) 14x28 feet, 10x9 feet, hot water heat, electric light. Permit granted.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Highways, Philadelphia. Low bidders:

Schedule A—Grading. Large street, Devcreaux to Roosevelt Boulevard, Thomas Connor, 3621 North Fifth street, Philadelphia, \$5,166.10. Tabor and Wakeling streets, Dewees Brothers, Fifth and Fisher's avenue, Philadelphia, \$4,483.32.

Schedule B—Asphalt paving. Leiper street, Church to Adams, Barber Asphalt Co., Land Title Building, Philadelphia, \$12,581.08. N street, Kensington avenue to Luzerne street, Mack Paving & Const. Co., Nicetown Lane and C street, \$19,613.20. Roanoke street, Willow Grove avenue to Abington avenue, Mack Paving & Const. Co., Nicetown Lane and C street, \$5,391.76. Torresdale avenue, I street to N street, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$106,226.89. Eighteenth street, Medary avenue to point 197 feet Northwest, Mack Paving & Const. Co., Nicetown lane and C street, \$5,103.60. Forty-seventh, Chestnut to Walnut street, Barber Asphalt Co., Thirtieth and Locust streets, \$7,316.80.

Schedule C—Vitrified block paving. Ruan street, Adams to Leiper street, United Paving Co., Thirtieth and Locust streets, Philadelphia, \$4,486.40.

Schedule D—Country road improvement. Thirteenth, Godfrey to Medary, Allen J. Henderson, Washington Lane, East of Chew street, \$2,292.

Schedule E—Granite block repaving. Arch street, Tenth to Fifteenth, Mazolla & Morano, 739 South Seventh street, \$34,837.50. Seventh, Arch to Race street, Municipal Paving Co., 702 Catherine street, Philadelphia, \$7,828.30. Eighth, Walnut to Vine, Mazolla & Morano, 739 South Seventh street, \$47,741.25. Ninth street, Race to Vine street, Municipal Paving Co., 702 Catherine street, Philadelphia, \$6,494.30. Tenth street, Washington avenue to Morris street, Joseph Salvucci, 512 North Sixty-fifth street, Philadelphia, \$33,384.80. Tenth, Morris to Ritner street, Philadelphia, \$35,602.10; Eleventh, Market to Cherry street,

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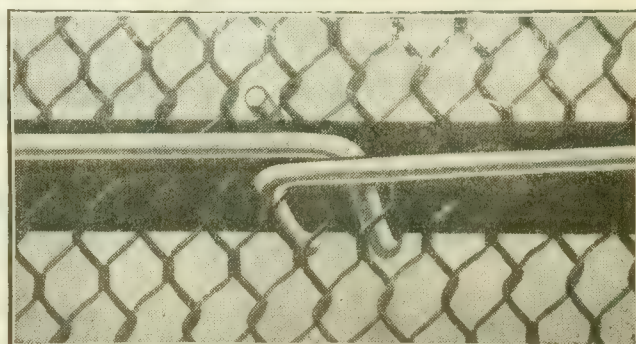
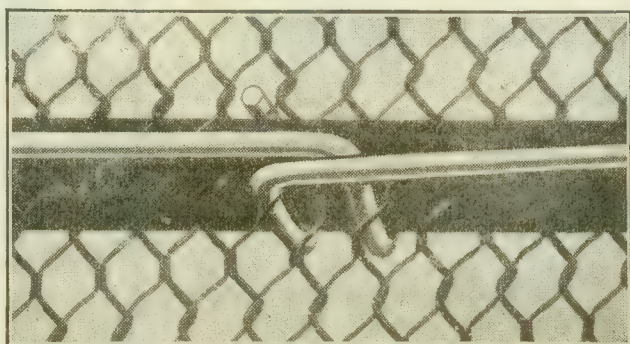
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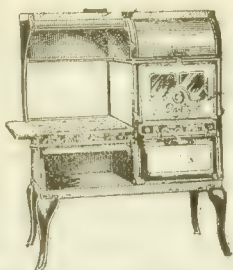
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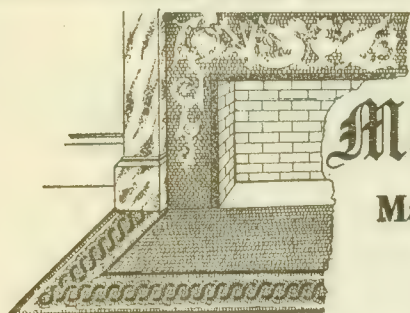


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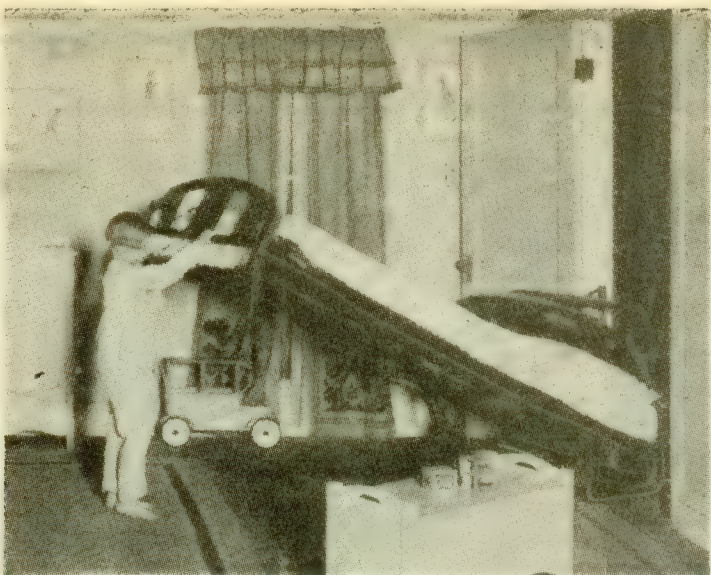
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Schedule F—Furnish and deliver crushed pebbles. Van Seiver Corp., Twenty-fourth and Parkway, Philadelphia, \$3,700.

Schedule G—Furnish and deliver binder slag. Miles Bitting Co., Pennsylvania Building, Philadelphia, \$3,700.

Schedule G—Furnish and deliver sand for asphalt paving mixture. Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$2,850.

Schedule I—1, clean and paint Coulter Street Bridge. William A. Mundy, 516 North Thirty-sixth street, Philadelphia, \$2,000.

Schedule L—2, repairs to Fender-Bridge

Street Bridge. H. H. Eyre, 1212 North Delaware avenue, Philadelphia, \$7,234.

Schedule I—3, furnish and erect gates on South Street Bridge. Darby Iron Works, 1235 Arch street, Philadelphia, \$1,640.

Schedule J—2, Fifth Highway District. Lewis Bokser, Philadelphia, \$3,995.16.

Residences (7) Wagner Avenue, north of Clarkson Street, Philadelphia. Architect, private plans. \$6,000 each. Owner, Louis A. Benham, 5213 Chestnut Street, Philadelphia. Brick, 2 stories, (6) 18x31 feet, (1) 18x16 feet, 21x14 feet, hot water heat, electric light. Permit granted.

Residence (add.), 2747 Orthodox Street, \$2,000. Architect, private plans. Owner, Ludwig Zebrowski, on premises. Brick, 2 stories addition, 15x7 feet. Permit granted.

composition, oak and pine floors, metal lath, tile, marble, metal weather strip, tin-clad and kalamen doors, bond, ornamental iron work, limestone, cast stone, Treadlite floors, caen stone, bronze work, incinerator, allowance for elevators. Contract awarded J. S. Roystone, 705 East Girard avenue, Philadelphia.

Apartment House, Forty-first and Parkside avenue, Philadelphia. Architect, Arnold H. Mueller. Engineer, Max Haupt, 901 Walnut street, Philadelphia. Owner, Percy Levy, care of architect. Brick, cast stone, steel frames, slow burning, 4 stories, 53x92 feet (40 apartments), vapor heat, electric light, oil burning equipment, tile and marble work, slag roof, hardwood and composition floors, bronze work, hollow metal skylights, tile and marble work, fire tower, kalamen doors, iron work. Contract awarded J. S. Roystone, 705 East Girard avenue, Philadelphia.

Garage, 4109-11 Viola street, Philadelphia. Architect, Arnold Mueller. Engineer, Max Haupt, 901 Walnut street, Philadelphia. Owner, Percy Levy, care of architect. Brick, 2 stories, 45x100 feet, slag roof, wood trusses, cement and plank floors, freight elevator, steam heat, electric light, rolled steel sash, hollow metal skylights, steel rolling doors. Contract awarded J. S. Roystone, 705 East Girard avenue, Philadelphia.

Building (alts.), Germantown and Cheltenham avenues, Philadelphia, \$125,000. Architect, Frank E. Hahn, Seventh and Chestnut streets, Philadelphia. Owner, M. I. Lifshetz, 1318 Locust street, Philadelphia. Brick, cut stone, iron work, cement and concrete, metal lath, plastering, metal bulks, kalamen doors, slag roof, rolled steel sash, marble and tile and slate work, carpentry and mill work, stair work, painting, glazing and hardware. Contract awarded William Smello, 121 North Seventh street, Philadelphia.

Factory, Wharton Lane and Water street, Philadelphia. Architect, Charles E. Oelschlager, 1615 Walnut street, Philadelphia. Owners, O'Brien Cooperage Co., on premises. Brick, slow burning, 2 stories and basement, 60x107 feet, slag roof, cement floors, steam heat, electric light, plumbing. Contract awarded E. J. Kreitzburg, 1333 Arch street, Philadelphia. (Note change in contractor.)

Residence and Garage, 1323-25 South Warrack street, Philadelphia. Architect, John J. Carroll, 1619 Chestnut street, Philadelphia. Owner, Joseph Donahue, on premises. Brick, 2 stories, 16x43 feet, 1 story, 14x21 feet, slag roof, hardwood and cement floors, hot water heat, electric light, tile. Contract awarded Anthony White, 5135 Market street, Philadelphia.

Apartment House, Kings street, near Queen Lane Station, Philadelphia. Architect, William H. Lee, 1505 Race street, Philadelphia. Owner, Chester W. Rudisill, Marietta, Pa. Brick, steel, architectural terra cotta, 3 stories and basement, 82x221 feet, slag roof, oak, pine and cement floors, elevators, steam heat, tile work, electric light, metal lath, bond, ornamental iron work. Contract awarded Nelson Pedley Co., Corn Exchange Building, Philadelphia. Plans nearly completed.

Building (alts.), 14 South Seventeenth street, Philadelphia. Architect, Gabriel B. Roth, 1628 Chestnut street, Philadelphia. Owner, name withheld. Brick work, cut stone, iron work, plastering, carpentry and mill work, cement work, stair work, painting and

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence, East side American Street, South of Sixty-sixth Avenue, \$12,000. Architect, private plans. Owner, Fred Miller, 5519 North Fifth Street, Philadelphia. Frame, 3 stories, 38x30 feet, shingle roof, hardwood and pine floors, electric lighting. Contract awarded to Chas. T. Clark, Germantown and Sedgley Avenues, Philadelphia.

Residence, South side Faunce street, East of Whittaker Street, Philadelphia, \$5,000. Architect, private plans. Owner, Thomas Clark, 4317 North Fourth Street, Philadelphia.

phia. Stone and brick, 2 stories, 15x28 feet, 10x10 feet, hot water heat, electric light. Contract awarded to Wm. M. Benner, Hatboro, Pa.

Residences (6), Southwest corner Devereaux and Oakley streets, Philadelphia, \$3500 each. Architect, private plans. Owner, George Jors, 800 Fanshawe Street, Philadelphia. Brick, 2 stories (1) 16x35 feet, (5) 16x26 feet, 12x8 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to E. K. Wehmeyer, 7346 Palmetto Street, Philadelphia.

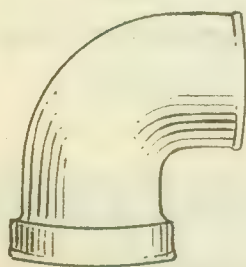
Office Building, 1606 Walnut street, Philadelphia. Architect, Arthur H. Broekie, 254 South Fifteenth street, Philadelphia. Owners, Townsend-Whelan Co., 505 Chestnut street, Philadelphia. Brick, granite, marble and steel, 5 stories and basement, 24x146 feet, slag roof, cement floors, hollow tile, elevators, safety treads, roof ventilators, metal weather strip, shoring, ornamental iron work, iron stairs, bond wire, kalamen and hollow metal doors, rolled steel sash and skylights, tile and marble work, steam heat, electric light, oil burner, bronze work, limestone. Contract awarded Roberts & Roller, 1904 Sansom street, Philadelphia.

Stores and Bachelor Apartments, 123-25 South Thirty-ninth street, Philadelphia. Architect, A. Mueller. Engineer, Max Haupt, 901 Walnut street, Philadelphia. Owner, Mrs. M. Levick, care of architect. Brick, reinforced concrete, cut stone, steel, granite, 4 stories and basement, 51x100 feet (plumbing, heating, electric light separate), slag roof,

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glazing, plumbing, heating, electric work, built-up roofing. Contract awarded F. E. Wallace, 339 South Camac street, Philadelphia.

Stores (6) and Garage, Seventeenth and Vine streets, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, name withheld. Brick, steel, 1 story, 117x125 feet, slag roof, cement and composition floors, steam heat, electric light, flush bulks (100-car garage). Contract awarded H. Walters, 412 South Fortieth street, Philadelphia.

Dormitories (2), Thirty-fourth and Spruce streets, Philadelphia. Architects, Stewardson & Page, 315 South Fifteenth street, Philadelphia. Owners, University of Pennsylvania, Thirty-fourth and Spruce streets, Philadelphia. Brick, cut stone, stone, 4 stories and basement, 129x45 feet, Vermont green slate roof, linoleum and cement floors, plumbing, roof ventilators, waterproofing, metal lath, marble and terrazzo work, hollow metal doors, ornamental iron work, metal casements, limestone and bluestone. Contract awarded W. R. Dougherty, 1610 Sansom street, Philadelphia.

Store and Apartments, 2812 West Lehigh avenue, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owner, I. S. Feldman, on premises. Steel, brick, stucco, 2 stories, 18x60 feet, slag roof, pine, composition and hardwood floors, hot water heat, electric light, metal lath, tile and marble work, hollow metal skylights, store fixtures, bond, metal bulks, metal ceilings, shoring. Contract awarded Paul Brosz, 2517 Huntingdon street, Philadelphia.

Store Building, Paul, below Frankford avenue, Philadelphia. Architect, G. Harold Murphy, Drexel Building, Philadelphia. Owner, Robert Lawson, 1325 Arrott street, Philadelphia. Brick, 2 stories, hot water heat, electric light, slag roof, pine and hardwood floors. Contract awarded Rush Brothers, 4682 Darrah street, Philadelphia.

Residence (alts.), 4326 Main street, Philadelphia, \$6,000. Architect, private plans. Owner, David Rosenfeld, on premises. General alterations. Contract awarded to Dan Carr, 3331 Frankford avenue, Philadelphia.

Shop (add.), Southwest Corner Hope and Somerset streets, Philadelphia, \$3,000. Architect, private plans. Owner, E. Hadfield, on premises. Brick, third story add., 18x50 feet, slag roof, pine floors, electric work. Contract awarded to Wintz Brothers, 1618 Sellers street, Philadelphia.

Manufacturing Building (alts.), 703 Ransstead street, Philadelphia, \$3,000. Architect, private plans. Owner, Walter Pincus, 1330 North Thirteenth street, Philadelphia. General alterations. Contract awarded to Daniel F. Carlin, 2626 South Seventeenth street, Philadelphia.

Storage Building (add.), Southwest Corner Thirteenth and Ritner streets, \$3,375. Architect, private plans. Owner, Stephen Novella, 1241 Wilder street, Philadelphia. Brick, 1 story, 14x16 feet add., electric work, slag roof. Contract awarded to Lewis, Manfredi & Co., 2228 Mifflin street.

Store and Residence (add.), 2268 East Clearfield street, \$3,200. Architect, private plans. Owner, Joseph Frank, on premises. Brick, 1 story add., 16x13 feet, slag roof, pine floors, electric work. Contract awarded to P. J. Brown, 3064 Tulip street, Philadelphia.

Garage, Southeast Corner Belgrade and

Palmer streets, Philadelphia, \$2,200. Architect, private plans. Owner, Frank Oppert, on premises. Brick, 1 story, 22x18 feet 6 inches, slag roof, cement floors, electric work. Contract awarded to J. Maurer & Co., 1304 North Second street, Philadelphia.

Office, Southeast Corner Maple avenue and Reading Railroad, Philadelphia, \$2,000. Architect, private plans. Owners, Houseman & McGraw, Somerton, Pa. Frame, 1 story, 16x32 feet, pine floors, electric lighting. Contract awarded to Alfred J. Siekel, Trevoise, Pa.

Residence (repairs), 4608 Old York road, Philadelphia, \$2,000. Architect, private plans. Owner, I. Sokoloff, 1102 Franklin Building, Philadelphia. General fire repairs. Contract awarded to William C. Wright & Son, 22 Harvey street, Philadelphia.

Garage, Southeast Corner Adams avenue and Wingohocking street, \$4,700. Architect, private plans. Owner, Martin Pellak, 1201 Adams avenue, Philadelphia. Brick, 1 story, 25 feet 6 inches x 18 feet 6 inches, 17 feet 6 inches x 76 feet 6 inches, slag roof, cement work. Contract awarded to George H. Thirsk, 4305 Horrocks street, Philadelphia.

Shop (add.), 1415-17 Germantown avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Raymond A. White, Drexel Building, Philadelphia. Brick, 2 stories add., 22 feet 6 inches x 72 feet 6 inches, slag roof, electric work. Contract awarded to Louis Lamkin, 118 South Ruby street, Philadelphia.

Garages, rear of 1827-31 East Ontario street, Philadelphia, \$3,000. Architect, private plans. Owners, Field & Moore, 3215 H street, Philadelphia. Brick, 1 story, 70x100 feet, slag roof, cement floors, electric work. Contract awarded to Charles S. Bannett, 1633 South Fifty-ninth street, Philadelphia.

Manufacturing Building, 917-23 Schiller street, Philadelphia, \$16,000. Architect, private plans. Owners, Turner Machine Co., Tioga street, Philadelphia. Brick, 1 story, 91x72 feet 4 inches, slag roof, electric lighting. Contract awarded to J. D. Fotheringham, 1000 Arrott street, Philadelphia.

Residence (alts. and add.), 1030 East Washington Lane, Philadelphia, \$7,000. Owner, George W. Emlen, Jr., on premises. Brick, 3 stories add., 26x20 feet 10 inches, general alterations. Contract awarded to Samuel Harting & Son, 20 East Johnson street, Philadelphia.

Tank Support, West side K street, North of Venango street, \$6,000. Owners, Boger & Crawford, J and Venango streets, Philadelphia. Tank support. Contract awarded to William F. Lotz, 4644 Frankford avenue, Philadelphia.

Residence, North side Harley avenue, West of Eighty-first street, Philadelphia, \$3,200. Architect, private plans. Owner, M. I. Harvey, 5505 Delancey street, Philadelphia. Brick, 1 story, 18x45 feet, hot air heat, electric light. Contract awarded to R. Carr, 6906 Woodland avenue, Philadelphia.

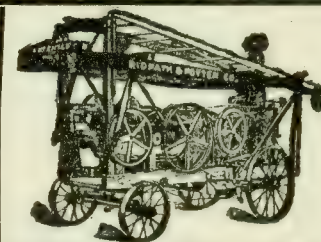
Garages (3), 2935 North Marshall street, Philadelphia, \$2,500 each. Architect, private plans. Owners, Bernard Ernst Estate, 2930 North Sixth street, Philadelphia. Brick, 1 story, 16x120 feet, slag roof, cement floors, electric light. Contract awarded to George Kessler Cont. Co., 1733 North Marvine street.

Show Room and Storage House, 4233-37 Frankford avenue, \$65,000. Architect, private plans. Owner, I. Yoffe, 5042 North Eighth street, Philadelphia. Brick, 2 stories, 60x192 feet, slag roof, cement and wood floors, electric lighting. Contract awarded to Morris Yacknitz, 4544 North Warnock street.

Residence and Garage, South side Cheltenham avenue, East of Seventh street, \$23,000. Architects, Lehigh Eng. Co., Sixth and Lehigh avenue, Philadelphia. Owner, Frank Smith, 6532 North Twelfth street, Philadelphia. Brick, 3 stories, 30x40 feet, 20x9 feet, garage, 1 story, stone, 18x18 feet, hot water heat, electric light, hardwood, pine and cement floors. Contract awarded to J. Fleisher & Sons, 739 Roosevelt Boulevard.

Garage (repairs), 157 West Wyoming avenue, Philadelphia, \$12,000. Architect, private plans. Owner, Anna V. Edwards, 157 West Wyoming avenue, Philadelphia. General fire repairs. Contract awarded to A. Raymond Raff Co., 1635 Thompson street.

Hotel (alts.), Northeast Corner Nineteenth and Walnut street, Philadelphia, \$5,000. Owners, Rittenhouse Realty Co., Nineteenth and Walnut streets, Philadelphia. General altera-



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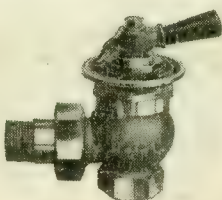
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tions. Contract awarded to France & Missar, 6725 Yocum street, Philadelphia.

Building (alts.), 3015-17 Kensington avenue, Philadelphia, \$2,000. Architect, private plans. Owner, Louis Verstein, 3011 Kensington avenue, Philadelphia. General alterations.

PENNSYLVANIA Construction News

High School, Harrisburg, Pa., \$150,000. Architect, not yet selected. Owners, Catholic High School, Rev. F. X. Feeser, 212 State street, Harrisburg, Pa. Stone. Work contemplated.

Masonic Temple, Hummelstown, Pa. Architect, F. G. Fahnestock, Patriot Building, Harrisburg, Pa. Owners, Brown Stone Lodge, No. 666, care of architect. Brownstone, 3 stories, 64x72 feet, slate roof, hardwood floors, electric lighting. Preliminary plans in progress.

Residence, near Carlisle, Pa. Architect, F. G. Fahnestock, Patriot Building, Harrisburg, Pa. Owner, Charles G. Beetem, Carlisle, Pa. Brick, stone. Preliminary plans in progress.

Ice Plant, Perkasio, Bucks County, Pa. Architect, private plans. Owners, Lansdale Ice & Storage Co., Inc., Lansdale, Pa. Brick, 1 story, capacity 25 tons. Work contemplated.

Club House (add.), near Bethayres, Pa., \$500,000. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Philmont Country Club, Ellis Gimbel, president, on premises. Brick, hollow tile and stucco, 2½ stories. Plans in progress.

Church (fire restoration), Cheltenham, Pa. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owners, Presentation of the Blessed Virgin Mary Roman Catholic Church, Rev. J. J. Moran, on premises. Brick, stucco, stone, carpentry and mill work, glazing. Plans about to be started.

Bank (alts.), Shamokin, Pa., \$35,000. Architects, Charles W. Fiel Co., 445 William street, Williamsport, Pa. Owners, Shamokin Banking Co., 401 East Sunbury street, Shamokin, Pa. General interior alterations, concrete vault, wood bank screens, steam heating alterations, electric work, vault door, terrazzo floors, plumbing. Plans in progress. Architect ready for sub-bids.

School, Huntingdon Valley, Pa. Architects, Druckenmiller & Williams, Otis Building, Philadelphia. Owners, Lower Moreland Township, W. Ridgeway, Huntingdon Valley, Pa. Revised plans about completed. Will be ready for bids in a few days. Bids will be due November 9th.

Residence, near Spring City, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, W. C. Hale, Spring City, R. D., Chester County, Pa. Brick, cement block, 2 stories, 23x26 feet, asbestos roof, hardwood floors (heating, plumbing and electric work reserved, steel and wood sash, Morgan doors, flues. Plans in progress. Owner will take bids.

Residences (5), Merion Park, Pa. Architects, Boyd, Abel & Gugert, Otis Building, Philadelphia. Owner, Martin Moloney, Merion Park, Merion, Pa. Stone, frame and stucco, 2½ stories, 25x45 feet, shingle, tile and slate roof, oak and pine floors, hot water heat, electric light, tile work, ornamental iron work. Owner taking sub-bids.

Residences (37), Schenley Estates, Media, Pa. Owner, Joseph F. M. Baldi, et al., 928 South Eighth street, Philadelphia. Brick, hollow tile, stucco, 2½ stories, hot water heat, electric light, hardwood floors, details undecided. Work to start in one week. Owners

tions. Contract awarded to Frank Buzby, 1658 Unity street, Philadelphia.

Apartment House (alts.), 1327 Spruce street, Philadelphia, \$2,000. Owner, Joseph A. Richman, on premises. General alterations. Contract awarded to Smith-Hardican Co., 1809 Callowhill street.

will take sub-bids.

Residence, Curwen road, near Ithan avenue, Rosemont, Pa., \$50,000. Architects, De Armond, Ashmead & Buckley, 20 South Fifteenth street, Philadelphia. Owner, Ralph L. Hayes, 836 South Swanson street, Philadelphia. Stone, 2½ stories, basement. Plans completed. Will take bids early in the spring.

Art Gallery and Studio, near Reading, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owner, George D. Horst, care of architects. Hollow tile, stucco and steel, 1 story, mezzanine and basement, 40x60 feet, slate or tile roof, maple floors, hollow tile, leaded glass, vapor heat, electric light, metal lath, tile and marble. Plans in progress. Owner will take bids.

City Hall and American Legion Hall, Steelton, Pa. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owners, care of J. C. Craig, Steelton, Pa. Architectural terra cotta, fireproof, 3 stories, 40x80 feet, slag roof, tile and composition floors, vapor heat, electric light, tile and marble work. Architect ready for revised bids.

Schools (4), Drexel Hill, Highland Park, Bywood, Stonehurst, Pa. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owners, School Board of Upper Darby Township, Upper Darby, Pa. Stone and brick, 2 stories. Plans in progress.

Garage Building, Shenandoah, Pa. Architect, John B. Thomson, 34 South Seventeenth street, Philadelphia. Owner, Jacob Wolf, White street, Shenandoah, Pa. Brick, cinder concrete block, steel, 4 stories and basement, 150x30 feet, built-up roof, cement floors, rolled steel sash, hollow metal doors, bond, floor hardener, ornamental iron work. Owner taking bids due October 29th, 5 P. M.

Residences (5), Duell Tract, Meadowbrook, Pa. Architect, Carl A. Ziegler, 1012 Walnut street, Philadelphia. Owner, Wayne Herkness, Land Title Building, Philadelphia. Stone, 2½ stories. Architect taking bids due November 2nd.

Parochial School, Willow Grove, Pa. Architect, L. Walton Heiss, Jenkintown, Pa. Owners, St. David's Roman Catholic Church, Rev. E. J. Curran, Willow Grove, Pa. Stone, frame and stucco, 2 stories, 50x60 feet. Architect taking bids due November 9th.

Residences (2) and Garage, Ambler road, Elkins Park, Pa. Architects, Thalheimer & Weitz, 10 South Eighteenth street, Philadelphia. Owner, Stanley M. Getz, 6701 North Broad street, Philadelphia. Stone, 3 stories and basement, 24x42 feet, wing 14x17 feet, garage 20x20 feet, shingle roof, oak and pine floors, plumbing, hot water heat, electric light, tile work, ornamental iron work, flagstone. Architects taking bids due October 29th.

Residence (alts. and add.), Valley Green road, Flourtown, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner, Mrs. Bess A. Lincoln, on premises. Stone foundations, flagstones, brick work, concrete tile work, concrete and cement work, iron work, area gratings, carpentry and mill work, plastering, green slate roof, painting and glazing, tile work, electric

work, plumbing, hot water heat, 2½ stories and basement, 45x18 feet, concrete, tile and stucco work. Architects taking bids due October 30th.

Milk Distributing Station, Stable and Garage, Twelfth and Welsh streets, Chester, Pa. Architect and engineer, Charles Wister, care of owner. Owners, Supplee-Wills-Jones Co., 1523 North Twenty-sixth street, Philadelphia. Brick, steel, concrete, 1 story, lot 152x154 feet, slag roof, cement. Owners taking revised bids due as soon as possible.

Residence, Jenkintown, Pa. Architects, McIlvain & Roberts, 112 South Sixteenth street, Philadelphia. Owner, Roy J. McKee, Jenkintown, Pa. Architects taking bids due October 29th.

Fire House and Moving Picture Theatre, Sellersville, Pa. Architects, High & Huber, 230 North Sixth street, Reading, Pa. Owners, Sellersville Volunteer Fire Co., Sellersville, Pa. Two stories, 98x32 feet, 50x88 feet. Too early for details. Plans in progress.

Club, McSherrystown, Pa. Architect, B. E. Starr, Spooner Building, Harrisburg, Pa. Owners, Knights of Columbus, J. H. Conover, McSherrystown, Pa. Brick, steel, 2 stories and basement, 40x80 feet, slag roof, hardwood floors, hollow tile, vapor heat, electric light, ornamental iron work. Plans in progress.

Residence, Prospect avenue, Bethlehem, Pa. Architects, H. Rex Stackhouse and W. W. Donohue, 1120 Locust street, Philadelphia. Owner, Leslie K. Kift. Brick, stone, 2½ stories, 35x116 feet, hot water heat, electric light, tile work, slate roof, hardwood floors. Owner will build and is taking sub-bids.

Tenant House, Berwyn, Pa. Architect, H. Gordon McMurtrie, 1012 Walnut street, Philadelphia. Owner, Samuel Bell, care of architect. Stone, hollow tile, 2½ stories, 30x75 feet, slate roof, pine floors. Architect taking bids due November 24th, 2 P. M.

Western Penitentiary, North Side, Pittsburgh, Pa. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Board of Trustees, Western State Penitentiary, Pittsburgh, Pa. Owners taking bids due November 10th at noon for construction of main cell building at Rockview, Center County, salt glazed face brick, salt glazed terra cotta (hollow). Certified check 10 per cent Bidder's bond 50 per cent. Successful contractor furnish surety bond 50 percent. Proposals from architect or owner or office of Supervisors of Construction, W. T. Grange Const. Co., Keenan Building, Pittsburgh, Pa.

High School, Reading, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Reading School Board, O. B. Heim, secretary, Reading, Pa. Low bidders on plumbing and heating: Heating and ventilating, Corbet Brothers, Third and Olev streets, Reading, Pa., \$159,000. Plumbing, Wasner & Reddig, 206 North Sixth street, Reading, \$68,514.

Apartment (alts. and add.), Cricket and Athens avenue, Ardmore, Pa. Architects, T. B. Lippincott and C. F. Schaefer, 11 South Sixteenth street, Philadelphia. Owners, Athens Apartment Corp., care of architects. Low bidder: Monaghan & Lasse, 3016 Chestnut St., Philadelphia.

Pennsylvania Contracts Awarded

Factory Building, Stowe, Pa. Architect, The Ballinger Co., Twelfth and Chestnut Sts., Philadelphia. Owner, Stanley G. Flagg, Stowe, Pa. Brick, 4 stories, 103x50 feet, (heating, plumbing, lighting separate.) Contract awarded W. H. Wiand, Pottstown, Pa.

Residence, Spring City, Pa. Architect, J. V. Poley, 162 Second Avenue, Royersford, Pa. Owner, Levi Berkenstock, Wall Street,

Spring City, Pa. Brick, concrete block, 2½ stories, 28x30 feet, asbestos roof, yellow pine floors, (heating, plumbing and electric work, reserved), steel and wood sash. Contract awarded to Frank Walley, Spring City, Pa.

Sunday School Building Unit, York, Pa. \$68,000. Architects, Witman and Royer, 47 E. Market Street, York, Pa. Owners, Second United Brethren Congregation, Rev. A. M. Horn, York, Pa. Stone, 1 story and basement, 180x82 feet, slag roof, hardwood and pine floors, water and dampproofing, leaded glass, vapor heat, electric light, metal lath, tile work, (organ reserved). Contract awarded to Paul R. Hostetter, York, Pa.

Residence and Garage, Lower Merion Township, Pa. Architect, J. Fletcher Street, 1120 Locust street, Philadelphia. Owner, Mrs. J. Spencer Lucas, 626 Cooper street, Camden, N. J. Hollow tile, stucco, brick, 2½ stories and basement, 41x58 feet, garage, 27x20 feet (heating reserved), tile roof, oak and pine floors, metal lath, electric light, tile and marble work, ornamental iron work, wrought iron pipe, painting and glazing, plumbing. Contract awarded Benckert Realty Co., Upper Darby, Pa.

Garage, Propagating House and Implement Shed, near Newtown Square, Pa. Architects, Price & Walton, 119 South Fourth street, Philadelphia. Owners, Dunwood Home, Newtown Square, Pa. Stone, 1 story, 24x38 feet, steam heat, electric light, metal lath, green slate roof, cement floors, painting and glazing, plumbing, wrought iron pipe, hardware. Contract awarded Herbert M. Walton, Moylan, Pa.

Main Building (alts.), Fern Rock, Pa. Architect, Ralph L. Goldberg, 10 South Eighteenth street, Philadelphia. Owners, Jewish Foster Home, care of Dr. Stern, 700 Church Lane, Philadelphia. General alterations and new fire tower. Contract awarded Paul Brosz, 2515 West Huntingdon street, Philadelphia.

Garage, Beechwood Park, Pa. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, Leonard Raymond, on premises. Frame, 1½ stories, 21x21 feet, shingle roof, cement floors, electric light. Contract awarded J. Ridgeway Evans, Penfield, Pa.

Residence, Greenfield, Reading, Pa. Architects, Muhlenberg Brothers, 511 Penn street, Reading, Pa. Owner, Herbert Larson, Reading, Pa. Brick, 2½ stories, 60x20 feet, shingle roof, hardwood floors, hot water heat, electric light (heating, plumbing and electric reserved). Contract awarded to Fink Const. Co., 510 Walnut street, Reading, Pa.

School, Branchdale, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, Star of the Sea Roman Catholic Church, Branchdale, Pa. Frame, steel, 2 stories, 80x54 feet, composition roof, pine floors, steam heat. Contract awarded to E. R. Bastress, Mt. Carmel, Pa.

Manufacturing Building (alts. and add.), Marshall street at Market Alley, Norristown. Architect, H. Gordon McMurtrie, 1012 Walnut street, Philadelphia. Owner, H. Severn Regar, 1400 DeKalb street, Norristown, Pa. Contract awarded Raymond F. Houghton, 713 Stambidge street, Norristown, Pa.

Insulating Mill (add.), Wilkes-Barre, Pa. Architects, McCormick & French, Second National Bank Building, Wilkes-Barre. Owners, Hazard Mfg. Co., Wilkes-Barre, Pa. Brick, cut stone, reinforced concrete, 3 stories and basement, 103x105 feet. Contract awarded to John Curtis & Co., 1 Hickory street, Wilkes-Barre.

Keystone Building (alts.) to Offices, Harrisburg, Pa. Architect, F. G. Fahnestock, Patriot Building, Harrisburg, Pa. Owners, Meyers & Kuhn, Harrisburg, Pa. General alterations, metal trim, partitions. Contract awarded to H. A. Hipple, Harrisburg Bank Building, Harrisburg, Pa.

Garage, Gettysburg, Pa. Architect, C. F. Class, Eighteenth and Mulberry streets, Harrisburg, Pa. Owners, Plank & Bell, Gettysburg, Pa. Fireproof, 1 story, 80x160 feet, slag roof, concrete floors, metal lath, electric light, steel sash. Contract awarded to Luther Sacks, Gettysburg, Pa.

Garage, 7025 West Chester Pike, Upper Darby, Pa., \$80,000. Architect, S. J. Laschenski, 1220 Locust street, Philadelphia. Owner, J. Melville, on premises. Reinforced concrete, 2 stories, 100x150 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash, brick work, cement work, plumbing. Contract awarded Felix Claro, Pennsylvania Building, Philadelphia, who is taking sub-bids due as soon as possible.

Senior High School, York, Pa. Architect, J. B. Hamme, City Bank Building, York, Pa. Owners, York School District, D. M. Crider, secretary, Central School Building, West King street, York, Pa. Brick, steel, 3 stories, 236x245 feet, composition roof, hardwood and composition floors (plumbing, heating, ventilating and electric separate), safety treads, roof ventilators, waterproofing and damp-proofing, terra cotta, iron stairs, ornamental iron, fire doors, steel skylights, metal lath. Contract awarded to C. W. Strayer, Harrisburg, Pa., \$740,000. Plumbing to C. C. Kottcamp & Son, York, Pa., \$32,425. Electrical not awarded. Will take bids in three months on heating.

Apartment and Stores (alts. and add.), Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, J. J. Bair, 446 East King street, Lancaster, Pa.

NEW JERSEY

Construction News

Residence and Garage, Moorestown, N. J. Architect, E. Nelson Edwards, 315 South Fifteenth street, Philadelphia. Owner, name withheld. Brick, 2½ stories. Preliminary plans in progress.

Apartment Building (alts. and add.), Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owner, J. R. Allen, 12 Chapel street, Trenton, N. J. Brick, 3 stories, 40x80 feet, slag roof, pine floors, hot water heat, electric light, tile work, general alterations. Revised plans in progress.

Court House, Cape May Court House, N. J. Architects, Edwards & Green, Camden, N. J. Owners, Board of Chosen Freeholders, Cape May Court House, N. J. Brick. Plans in progress. Architects will take bids in one month.

Bank, Moorestown, N. J. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Moorestown Trust Co., Moorestown, N. J. Stone, steel, brick, concrete. Plans about completed. Architects will be ready for bids by November 1st.

Residence, Sea Girt, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owner, J. H. Thompson, Trenton, N. J. Frame, 2 stories, 24x30 feet, shingle roof, hardwood floors, tile work, electric light. Owner will take bids.

Bank, Broad and Ferry streets, Camden, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, South Camden Trust Co., Clarence Hayden, secretary, Camden, N. J. Architects selected.

Church, Grant and Berkley streets, Camden, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, Calvary Presbyterian Church, Camden, N. J. Architects selected.

Bank (alts. and add.), Camden, N. J. Architects, Lackey & Hettel, 5 Hudson avenue,

Brick, 2½ stories, oak floors, electric light, tile work, general alterations. Contract awarded to Herman Wohlsen, Woolworth Building, Lancaster, Pa.

Residences (3), Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, F. B. Trissler, 213 North Duke street, Lancaster, Pa. Cinder block, stucco, 2½ stories, 75x36 feet, slate roof, hardwood floors. Contract awarded to Herman Wohlsen, Woolworth Building, Lancaster.

Community Center, Hyde Park, Pa. Architect, C. J. Young, 226 North Sixth street, Reading, Pa. Owners, Goodwill Fire Co., No. 3, Beneficial Association, Hyde Park, Pa. Brick, steel, 2 stories, 140x70 feet, built-up roof, composition and hardwood floors. Contract awarded to G. E. Brean, 1112 Chestnut street, Reading, Pa.

Residence and Garage, Radnor, Pa. Architect, Edward F. Hoffman, Jr., 315 South Fifteenth street, Philadelphia. Owner, C. Fenno Hoffman, on premises. Brick, limestone, 2½ stories and 1½ stories and basement, 103x43 feet, garage, 23x24 feet, shingle roof, oak, pine and cement floors, painting and glazing, plumbing, metal weather strip, electric light, tile work, bond, ornamental iron work, flagstone, metal corner beads, wrought iron pipe. Contract awarded Milton W. Young, 2037 North Sixty-third street, Philadelphia.

Road Work, Pennsylvania. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa. Beaver County, R-278, Green Township and Hookstown Borough, \$81,759.34. Contract awarded to A. R. Cooper, Butler, Pa.

Camden, N. J. Owners, West Jersey Trust Co., C. H. Laird, vice-president, Third and Market streets, Camden, N. J. Interior alterations, cork and linoleum floors, elevators, iron stairs, vault, bronze work, tile and marble, metal lath, electric lighting. Architects will be ready for bids in one week.

Children's Quarters, Camden, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, West Jersey Homeopathic Hospital, Dr. C. P. Hedden, Camden, N. J. Fireproof, 5 stories, 45x115 feet, 56x105 feet, Barrett roof, cement, linoleum and composition floors, elevators and dumb waiters, safety treads, roof ventilators, iron stairs, refrigeration, incinerator, tile and marble, metal lath, electric light, heating extension. Architects ready for bids.

Psychopathic Building, Trenton, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, New Jersey Hospital for Insane, Trenton, N. J. Brick, reinforced concrete, steel, limestone, 3 stories and basement, 96x45 feet, slate roof, tile and mastic floors (heating, plumbing and electric separate), waterproofing, hollow metal doors, skylights, sash, metal lath, tile and marble. Architects taking bids due November 9th.

Doctors' Home, Trenton, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, New Jersey State Hospital for Insane, Trenton, N. J. Reinforced concrete, limestone, brick, steel, 2½ stories, 170x28 feet, slate roof, hardwood floors, tile floors, waterproofing, ornamental iron, metal lath, tile and marble (heating, plumbing and electric separate). Architects taking bids due November 9th.

Nurses' Home, Trenton, N. J. Architects,

Department of Institutions and Agencies, Trenton, N. J. Owners, New Jersey State Home for Insane, Trenton, N. J. Reinforced concrete, brick, limestone, 2½ stories, 104x34 feet, slate roof, hardwood and tile floors, electric light (plumbing, heating and electric separate), tile and marble, ornamental iron. Architects taking bids due November 9th.

Convalescent Building, Trenton, N. J. Architects, Department of Institutions and Agencies, Trenton, N. J. Owners, New Jersey State Hospital for Insane, Trenton, N. J. Brick, reinforced concrete, steel, limestone, 3 stories and basement, 111x49 feet, slate roof, tile and mastic floors, hollow metal, waterproofing, skylights, sash, tile and marble (heating, plumbing and electric separate). Architects taking bids due November 9th.

Residence (alts. and add.), Moorestown, N. J. Architect, J. Fletcher Street, 1120 Locust street, Philadelphia. Owner, Wilford N. Wolcott, Moorestown, N. J. General interior alts., new bath room addition, hot water heat, electric light, tile and marble work, hardwood floors, plumbing, carpentry and mill work, painting, interior decorating. Architect taking bids due October 30th at noon.

Residences (2), 471-73 North Thirty-fifth street, Camden, N. J., \$8,000. Architect, private plans. Owner, Homer B. Simpkins, 449 North Thirty-second street, Camden, N. J. Frame, 2 stories, 16x46 feet, slag roof, warm air heat, electric light. Permit granted.

Hospital, Atlantic City, N. J. Architects, H. A. Stout, H. V. Mathis and J. H. Vaughan, Atlantic City, N. J. Owners, Atlantic City Hospital, care of J. Moore, Atlantic City, N. J. Low bidders: Doll & Fleming, Freeman Building, Atlantic City, N. J., \$441,949; Lam Building Co., Humphry Building, Atlantic City, N. J., \$473,978.

New Jersey Contracts Awarded

Boiler House and Laundry, Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton. Owners, St. Francis' Hospital, Chambers and Hamilton streets,

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Trenton, N. J. Fireproof, 2 stories and basement, 40x80 feet, slag roof, concrete floors, roof ventilators, waterproofing and damp-proofing, iron stairs, fire doors, rolled steel sash (heating, plumbing and electric work reserved). Contract awarded to Thomas Day & Son, Hunt Building, Trenton, N. J.

Residence (alts. and add.), Riverton, N. J. Architect, J. Fletcher Street, 1120 Locust street, Philadelphia. Owner, Arthur Hagstoz, Riverton, N. J. General alterations and additions, hot water heat, electric light. Contract awarded J. E. McVaughan, Riverton, N. J.

Store, 828 Broadway, Camden, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owner, Mrs. Leithwhite, care of architects. Brick, cinder block and cast stone, 1 story, 20x65 feet, slag roof, pine floors, plate glass, tile work, hot water heat, electric work. Contract awarded to Carl E. Widell, Woodlynne, N. J.

Colton Manor Hotel, Pennsylvania avenue, Atlantic City, N. J. Architect, W. Macy Stanton, 1524 Chestnut street, Philadelphia. Owner, care of architect. Brick, stone, steel, concrete, fireproof, 13 stories, 150x150 feet (400 rooms capacity), steam heat, oil burning equipment, tile and marble work, slag roof, concrete floors, elevators, rolled steel sash, hollow metal doors, iron work. Contract awarded Taylor Mayer, Keystone Building, Pittsburgh, Pa., without competition.

Hotel Lafayette, North Carolina, near Pacific avenue, Atlantic City, N. J. Architect, W. Macy Stanton, 1524 Chestnut street, Philadelphia. Owner, care of architect. Brick, stone, steel, concrete, fireproof, 10 stories, 175 rooms, steam heat, oil burning equipment, tile and marble work, slag roof, concrete floors, elevators, rolled steel sash, hollow metal doors, iron work. Plans in progress. Contract awarded Charles P. Tilton, Atlantic City, N. J., without competition.

Bakery, Newark, N. J. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owners, Drake Bakeries, Inc., Newark, N. J. Reinforced concrete, brick, steel, 4 stories and basement, 100x126 feet (plumbing, heating, electric, elevators reserved), slag roof, cement floors, ornamental iron work. Contract awarded Thompson & Binger, 103 Park avenue, New York.

Residences (12), 3041-63 Carman street, Camden, N. J., \$69,600. Architect, private plans. Owners, Sharp Holding Co., Camden, N. J. Brick, 2 stories, 18x32 feet, slag roof, hot water heating, electric lighting. Contract awarded to Davis Bros., 901 North Thirty-first street, Camden, N. J.

Residences (2), 334-336 North Fortieth street, Camden, N. J., \$8,000. Architect, private plans. Owner, Kate Bentley, Camden, N. J. Frame, 2 stories, 15x38 feet 6 inches, slag roof, warm air heating, electric lighting. Contract awarded to Robert T. Williams, 512 North Seventh street, Camden.

Building, 1301 Walnut street, Camden, N. J., \$2,000. Architect, private plans. Owners, Himmelein & Bailey, Camden, N. J. Block, 1 story, 23 feet 7 inches x 40 feet, slag roof, electric lighting. Contract awarded to Lewis T. West, Fifth and Royden streets, Camden, N. J.

Miscellaneous Construction News

School, Beverly, Kentucky. Architect, C. J. Lappley, Ebner Building, Harrisburg, Pa. Owners, Red Bird Settlement, Rev. J. J. De Wall, Beverly, Ky. Frame, 2 stories, 160x112 feet, shingle roof, maple floors, electric light. Plans in progress.

Residence, Newark, Del. Architect, A. L. Ward, Stephen Girard Building, Philadelphia. Owner, Ernest B. Wright, care of architect. Brick, stone, 2½ stories, 40x100 feet, slate roof, hardwood floors, Spence heater, electric light, tile and marble work (5 baths). Architect taking bids due November 1st.

Residence (alts.), Holly Oak, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner, Paul Hessler, Holly Oak, Del. General interior alterations. Plans in progress.

Garages (9), Sixth and Lincoln streets, Wilmington, Del. Architect, private plans. Owner, Nicholas Fidance, 1612 West Fourth street, Wilmington, Del. Brick and block, 1 story, 10x18 feet, slag roof, concrete floors. Permit granted.

Miscellaneous Contracts Awarded

Manufacturing Building, near Johnson City, Tenn. Architects, Lockwood-Greene Co., 1 Pershing Square, New York City. Owners, American Bernberg Co., Johnson City, Tenn. Brick, steel, 1 story, 644x246 feet, slag roof, cement and wood floors, electric light, rolled steel sash. Contract awarded Hughes-Foulkrod Co., Commonwealth Building, Philadelphia.

Residence, Louisville, Ky. Architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owner, Brent Arnold, Louisville, Ky. Stone, 2½ stories, 35x90 feet, shingle roof, hardwood floors, vapor heat, electric light, tile and marble work. Contract awarded Palmer Graham, Louisville, Ky.

Dairy (add.), Wilmington, Del., \$5,500. Architect, private plans. Owners, Clover Dairy Co., Twelfth and Orange streets, Wilmington, Del. Brick, 1 story add., 27x79 feet, slag roof, concrete floors. Contract awarded to Reed Brothers, 702 Orange street, Wilmington.

Manufacturing Building, Wilmington, Del. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owners, Topkis Brothers Co., 217 French street, Wilmington, Del. Brick, reinforced concrete, steel, cut stone, 4 stories and basement (plumbing, heating, electric, elevators, sprinkler separate bids), slag roof, cement and maple floors, hollow tile, cainting and glazing, rolled steel sash, fire and kalamein doors, bond, ornamental iron work, metal toilet partitions, elevator doors. Contract awarded J. A. Bader Co., Lackey Building, Wilmington, Del.

Apartment Houses (7), Coral Gables, Fla., \$3,000,000. Owners, Coral Gables Co., Coral Gables, Fla. Cinder block and stucco, 3 stories, 230x150 feet, electric light, tile roof, oak and pine floors, tile work, ornamental iron work. Plans nearly completed. Contract awarded J. P. Hallahan, 2313 Walnut street, Philadelphia.

Operation of Apartment Houses and Residences, Coral Gables, Fla., \$1,500,000. Owners, Coral Gables Co., Coral Gables, Fla. Concrete block and stucco, 2½ and 3 stories, various sizes, tile roof, oak and pine floors, electric light, tile work, ornamental iron work. Plans in progress. Contract awarded Nelson Pedley Const. Co., 1510 Chestnut street, Philadelphia.

The valuable man in any business is the man who can and will co-operate with other men. The foreman who opposes the introduction of a new man into an institution and fights every innovation which he himself does not suggest, is doomed to a gradual and creeping defeat. Men succeed only as they utilize the services and ideas of other men. Co-operate!

Proposal

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., October 23, 1925.—SEALED PROPOSALS will be opened in this office at 3 P. M., November 30, 1925, for construction (except mechanical equipment) of buildings for the Federal Industrial Institution for Women for the Department of Justice at Alderson, W. Va. Drawings and specifications may be obtained at this office in the discretion of the Supervising Architect. Proposals will be considered only from individuals, firms, or corporations possessing satisfactory financial and technical ability, equipment, and organization to insure speedy completion of the contract, and who have established a record for execution on contracts of similar character and magnitude. The fact that any concern obtains a set of the plans and specifications from any source whatever and submits a bid shall not constitute a waiver of the foregoing stipulations. Jas. A. Wetmore, Acting Supervising Architect.

(Continued from page 676)

nique of preparation and protection has been developed which makes the former practically as independent of the weather as the latter, and far more suitable for cold weather construction than many older combinations of materials. More than any other construction type, it has been fruitful of new equipment and methods which apply also in other fields of work, and has thus been both directly and indirectly influential in extending the construction season."

Even the concrete mixer, we read, has only been in common use since about 1900, and the point is made that if it were not for mechanical mixing of concrete, it would be highly uneconomical to use in winter weather, since by the machine process, heated materials are given but a fifth of the time to cool that they would undergo in hand mixtures. Reinforcement steel is now usually cut and bent at the mill and delivered to the job ready for placing. This feature further lessens the handicap of winter construction.

HOW CONTRACTORS DEFEAT COLD WEATHER

Nearly all plastic materials such as concrete, mortar, or plaster must be protected from freezing. There is no danger of unsatisfactory results in using such materials in cold weather if they are adequately protected against freezing temperatures for a few days.

Engineering News-Record says:

"Winter methods in construction are operations especially directed toward reducing exposure and eradicating frost. They are increasing frost resistance, thawing and removing snow and ice, heating and insulating forms, blanketing exposed surfaces, housing, heating enclosed spaces.

"Addition to concrete of certain compounds such as salt, to lower the frost point or calcium chloride to quicken setting, is effective where only a few degrees of frost have to be guarded against. In general these chemical hardeners have a field limited to isolated small operations or especially thin sections or slabs at temperatures, let it be repeated not much below freezing."

When very severe cold weather is to be encountered more effective methods must be used to insure against damage by frost action. Not only must the mixing water be heated but the fine and coarse aggregates as well. Further, in very severe weather the slight insulation provided by a light covering of hay, sawdust or burlap will not be sufficient. The work must be covered and supplied with artificial heat under the covers from salamanders, boilers or some other reliable source of heat.

The Turner Construction Company of New York has done many millions of dollars worth of concrete construction during the severe New England winters and their requirements for cold weather construction are published in *Engineering and Contracting*. An extract from the article follows:

"Winter work has been a regular procedure for contractors experienced in reinforced concrete construction for many years. Such contractors have found that it is necessary to supply proper protective equipment, but less experienced contractors do not always realize the danger resulting from lack of proper protection. The use of a definite specification is necessary if the owner is to have reasonable assurance of getting an undamaged building at the completion date contained in the contract.

Cold Weather Protection for Reinforced Concrete Work

"(1). The contractor shall furnish and install at the building boiler capacity of at least 50 h.p. licensed for 80 pounds steam pressure. This boiler capacity shall always be available for the sole purpose of supplying steam for cold weather protection.

(2). All fine and coarse aggregate shall be entirely freed from frost and warmed either by storing in an enclosed space properly heated or if not stored in an enclosed heated space then by piling over perforated steam pipes, having a diameter of 1½-in. and spaced about 4 ft. C to C or shall be heated by inserting 1½-in. perforated pointed steam pipes into the pile. The material piles shall be steamed during the day preceding the placing of concrete and while concreting and shall be covered with canvas during the night preceding the placing of concrete.

(3). All mixing water shall be heated

by injecting live steam into the water barrel at the mixer through a pipe at least 1½-inch in diameter.

"(4). A steam line shall be carried up with the form work and immediately before starting to place concrete all forms and steel reinforcing shall be thoroughly cleaned and warmed by live steam supplied through a steam hose.

"(5). Before starting to concrete the columns of any story or the floor supported by such columns, the contractor shall hang canvases to enclose the section of the story to be concreted being careful to maintain an air space between the exterior faces of the concrete and the canvas curtains. Canvas curtains shall be well lapped to exclude wind and shall be large enough to reach below the surface of the floor supporting the columns which are to be concreted.

"(6). Before starting to place concrete, salamanders containing coke fires shall be placed inside the enclosure at proper intervals to maintain a temperature of about 70 deg. at the under side of the floor slab. This will generally require about one salamander of usual size to each 300 sq. ft. of floor space. One salamander shall be placed near each exterior column unless temperature is below 20 deg. when two salamanders shall be placed on each side of each exterior column. On windy days use two salamanders at each exterior column on windward side of building.

"(7). Holes about 8 in. by 12 in., one to about every 300 sq. ft., shall be formed through the floor slab by cutting holes in the floor form and inserting a wood frame in the concrete. These holes

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to be made larger at the top of the slab than at the bottom of the slab in order to hold the concrete which will later be used to fill them. These holes permit hot air to rise into the space between the top of the slab and the canvas covers described in the next paragraph.

"(8). As rapidly as the floor slab is concreted it shall be covered by canvas covers well lapped and supported about 6 in. to 18 in. above the surface of the concrete by a framework supported on the wood frames around the heat openings or on the steel reinforcing rods which project above the floor line at columns. These top covers shall be well lapped over the side curtains.

"(9). Full continuous heat is to be maintained in each section for 110 hours after the concrete is poured, except should the outside temperature fall below 20 deg. F. the heating shall be continued for one day for each day on which the temperature falls below 20 deg., but not to exceed two additional days of 24 hours each.

"(10). When using beam and girder construction top covers shall be kept in place for 48 hours, but with flat slab construction they shall be kept in place for 72 hours except that top covers may be removed between 8 a. m. and 5 p. m. on days when the temperature is above 35 degrees to permit of setting column forms, but shall be replaced at 5 p. m.

"Side covers shall remain in place as long as heat is continued except that after 48 hours the curtains outside of exterior columns may be removed one at a time for only sufficient time to strip the forms from the exterior columns after which they should be immediately replaced."

There are other satisfactory ways of heating aggregates and water than those described in the Turner Company Specifications. Aggregates can be heated to very good advantage by storing them in bins constructed so that steam pipes can discharge live steam into the aggregates around the bottom of the bin and over the discharge opening. In this way aggregates may be kept hot as they are delivered to the mixer. Instead of heating water by discharging live steam into a water barrel or storage tank it can be heated by passing it through a boiler or in a heater designed for the purpose.

The technical press and builders' journals contain many striking examples of important structures erected during the winter months in our Northern cities. A January drive through the outskirts or suburbs of Detroit, Chicago, New York City or any large city will show that residential building does not halt for snow and ice.

The Northern Ontario Building, situated right in the heart of Toronto's financial and office district, is not only the

highest concrete building in the British Empire, but architecturally is one of the the most beautiful office buildings in Toronto. *Municipal Improvements* says of this building:

"It was completed within nine months of the first excavation, the work being carried on all through the rigorous winter months.

"On October 23, preliminary excavation was under way and was practically completed in two weeks elapsed time. By November 13, pouring the concrete for the foundation walls was progressing rapidly and a placing tower had been erected and pushed with especial vigor, so that by December 4 operations were being carried on well above street level.

"Here King Winter began to assert himself without, however, impeding in any way the progress on the structure. Tarpaulins were called into use to protect fresh concrete from cold and snow and other unusual precautions were taken to guard against the effects of low temperature. An average of practically a story a week was made in the dead of winter."

When fire swept away an important wing of the "Chateau" at Lake Louise, Alberta, in the fall of 1924, officials of the Canadian Pacific Railway in charge of the resort realized that no time could be lost in erecting the new 10-story building with 300 rooms to accommodate the next summer's "rush" of tourists. In describing the work, *Railway Age* says:

"To permit concreting to proceed without interruption during the winter an outside boarding was erected around the entire building, approximately five feet away from the building line; this consisted of 2 by 8-inch studs spaced at 33 inch centers in the lower stories and 2 by 6-inch studs in the upper stories. These were capped, strutted and tied to the steel spandrel beams at each floor level and were sheeted on the outside with common boards and lined inside with sheeting of heavy tar paper cleated to the sheeting and studs. Cheese-cloth windows were left at frequent intervals to give some natural light, although artificial light was used both day and night for construction work.

"Heat was supplied to this enclosure from a central heating plant through temporary steam coils placed on the walls to offset outside temperature as low as 50 deg. below zero."

WHAT SAFETY REALLY MEANS

There are people who think that the safety movement is being conducted by fanatics who are trying to take the joy out of life by impressing everybody with the perils that constantly confront us. This is a wrong conception. There is no doubt but what life would be a ter-

ribly sad existence if adventure were eliminated. The idea that inspires the safety leaders of the nation, however, is to educate our people to meet dangers consciously and intelligently. He who leaps in the "dark of some sharp accident" and takes a "mitigable chance" only wastes an unadventured soul."

The enthusiastic accident preventionist will admit that danger and risk are fundamental to life and that the adventure of life might be tame without the possibilities of chance or mishap. The mechanical age has only accentuated the innumerable possibilities of accidents. In spite of these common dangers and the growth of them, only suicides willingly give up life. There is no inconsistency with living a joyous adventurous life and at the same time respecting these dangers.

In a recent statement W. H. Cameron, managing director of the National Safety Council, which is conducting a perpetual accident prevention campaign, points out that no sane person would cut a hole in the floor, or leave such an opening unguarded, just for the fun of falling into it and breaking a limb. It is the holes in factories, on the streets, on pavements and in our homes that the safety man wants covered up. Thousands of factories have accidents that can be prevented through the elimination of the causes which are common in every industry.

There will always be accidents, admits Mr. Cameron, but a great many tragic deaths and long lingering sufferings can be avoided through the exercise of due care which will follow the necessary educational work along this line. Safety does not mean cowardice. Precautionary teaching does not necessarily result in the development of a fear "complex." The right kind of safety means constructive conquest, not timid submission.—*The Associated Contractor*.

CAPTAIN ALBERT F. BROWN, A DELEGATE TO WATERWAYS' ASSOCIATION CONVENTION

Captain Albert F. Brown, President of the Philadelphia Transportation and Lighterage Co., the Pioneer Sand Dredgers of Delaware River Bar Sand, has been appointed Delegate to the 18th Annual Convention of the Atlantic Deeper Waterways' Association to be held at Miami, Florida, November 23rd, representing the State of Pennsylvania, the City of Philadelphia, The Vessel Owners' and Captains' Association of the Port of Philadelphia and The National Board of Steam Navigation.

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Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XL, No. 44
November 4, 1925

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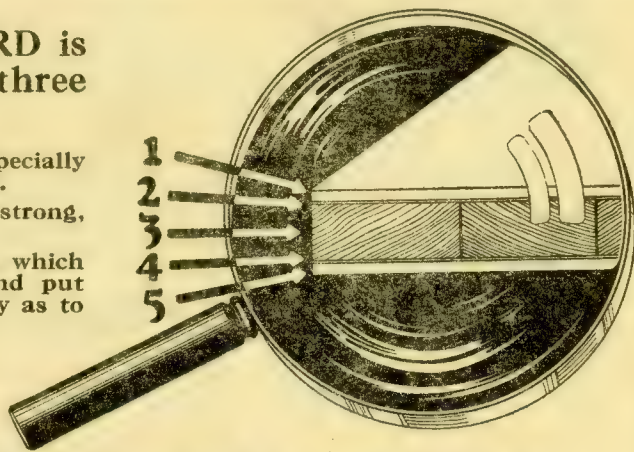
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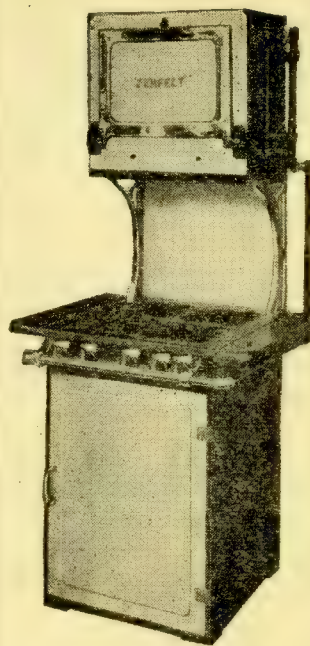
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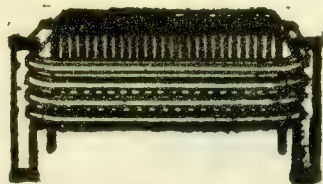
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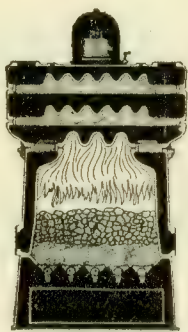
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XL
Number 44

PHILADELPHIA
November 4, 1925

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Office Building, Juniper and Arch streets, Philadelphia. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owner, D. Bortin, 1218 Chestnut street, Philadelphia. Brick, steel, stone, 15 stories, concrete work, steam heat, electric light, concrete floors, elevators. Plans in progress.

Synagogue and Sunday School, Broad and Mt. Vernon streets, Philadelphia, \$650,000. Architect, not yet selected. Owners, Rodelph Shalom Synagogue, Rabbi Wolsey, on premises. Board of Trustees, President Charles B. Fox, Bankers' Trust Building. Stone, 1½, 2 stories and basement, 100x240 feet, slate roof, pine and cement floors, steam heat, electric light, tile work, ornamental iron work. Work contemplated.

Fire Station, Howard and Columbia avenue, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, City of Philadelphia, Bureau of Fire, Department of Public Safety. Brick, steel, 2 stories and basement. Plans in progress.

College and Hospital Building, Northwest Corner Twentieth and Callowhill streets, Philadelphia. Architect, not yet selected. Owners, Trustees of Hahnemann Hospital, Fifteenth above Race street, Philadelphia. Size of lot, approximately 495x225 feet. Work contemplated.

Stores (4) and Apartments, 532-38 Carpenter's Lane, Germantown, Philadelphia. Architects, Thalheimer & Weiss, 10 South Eighteenth street, Philadelphia. Owner, Charles G. Levittie, care of architect. Revised plans about completed.

Sesqui-Centennial Building, Philadelphia, Pa. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, State of New Jersey, J. F. Margerum, Trenton, N. J. Stone, structural steel, 2½ stories, 35x60 feet, 30x100 feet, slate roof, quarry tile, stone and hard-

wood floors, ornamental iron, iron stairs, lighting fixtures, tile and marble, metal lath, vapor heat, electric light. Architect will be ready for bids the first of next week.

Alterations and Additions, 901 West Butler street, Philadelphia. Architect, Charles N. Wells, 3617 North Broad street, Philadelphia. Owner, I. O. Goldstein, on premises. Brick, 2 stories, 10x18 feet, tin roof, wood floors, hot water heat, electric light, flush bulks. Plans completed. Owner will take bids.

Building (rear add.), 3208 Frankford avenue, Philadelphia, \$8,000. Architect, C. M. Wells, 3617 North Broad street, Philadelphia. Owner, name withheld. Brick, 1 story, 22x56 feet, slag roof, pine floors, steam heat, flush bulk. Architect will soon be ready for bids.

Residence, Southwest of Henry street, Northwest of Coulter street, Mt. Airy. Architect, Richard R. Neely, 2301 Spruce street, Philadelphia. Owner, John B. Remmey, 129 East Mt. Pleasant avenue, Mt. Airy. Stone or hollow tile, 2½ stories and basement. Plans in progress. Too early for details.

Belfield Playground, Twenty-first and Conlyn streets, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Welfare, Bureau of Recreation, 595 City Hall. Owners taking bids due November 12th at noon for concrete wall, fence (iron) and grading. Certified check 5 per cent. of bid.

Alterations, Fifth and Locust streets, Philadelphia. Architect, private plans. Owners, United States Rubber Co., Fifth and Locust streets, Philadelphia. Plastering, painting and glazing, carpentry and mill work, hardware, alterations sprinkler system. Owners taking bids due November 5th.

Residence, Elbow Lane, North of Allen's Lane, Chestnut Hill, Pa. Architect, Robert Rodes McGoodwin, 1600 Walnut street, Phila-

delphia. Owner, Dr. Temple Fay, 1924 Pine street, Philadelphia. Stone, cut stone, stucco, 2½ and 1½ stories, 48x25 feet, garage 21x23 feet, vapor heat, electric light, metal lath, tile work, Vermont slate roof, oak and pine floors, plumbing, bond, ornamental iron work, flagstone, iron gratings. Architect taking bids due November 6th at noon.

Tioga Central Office Building (alts. and add.), Northwest Corner Seventeenth and Allegheny avenue, Philadelphia. Architect, Engineer of Buildings, 261 North Broad street, Philadelphia. Owners, Bell Telephone Co., Seventeenth and Arch streets, Philadelphia. Brick, 1 story, 33x16 feet, slag roof, cement floors, hollow tile, hardware, steam heat, electric light, bond, kitchen equipment, plumbing. Architect taking bids due November 6th.

Factory (alts. into Hotel), Southwest Corner Sixteenth and Callowhill streets. Architect, Benjamin Shulman, 1722 Arch street, Philadelphia. Owners, John Marshall Hotel Co., care of architect. Brick, 7 stories and basement, 99x180 feet, carpentry and mill work, slag roof, structural steel, plate glass, painting and glazing, linoleum floors, marbleized tile floor, concrete and cement work, steam heat, electric light, plumbing, bulk windows. Architect taking new bids due November 7th.

Residence and Garage, Southwest Corner Upsal and Parkline Drive, Germantown. Architect, Edmund B. Gilchrist, 1618 Latimer street, Philadelphia. Owner, Benjamin Dintenfuss, 263 South Fifteenth street, Philadelphia. Stone, steel, brick, 2½ stories and basement, 59x21 feet, wing 85x21 feet, garage 24x24 feet, hot water heat, electric light, metal lath, tile and marble work, shingle roof, oak, pine and cement floors, hollow tile, plumbing, ornamental iron work, brass pipe, bond, flagstone, steel casement sash, incin-

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ing, leaded glass. Architect taking bids due
November 10th.

Office Building, 1409-13-15 Arch street, Phil-
adelphia. Architect, William G. Perry, 177
State street, Boston, Mass. Owners, United
Gas Improvement Co., Broad and Arch streets,
Philadelphia. Brick, steel, limestone, 13 sto-
ries and basement, 70x70 feet, slag roof, ce-
ment floors, elevators, steam heat, tile and
marble work, metal lath, ornamental iron
work. Owners taking bids.

Church (alts.), Tabor road, West of Ris-
ing Sun avenue, Philadelphia. Architect, Al-
bert N. Dobbins, 1709 Arch street, Philadel-
phia. Owners, St. James' Methodist Episco-
pal Church, on premises. Stone, carpentry
and mill work, cement work, electric work,
hardware, painting, glazing, plumbing. Ar-
chitect taking bids due November 10th.

Residence (alts. and add.), City avenue
and Overbrook avenue, Philadelphia. Archi-
tect, John T. Windrim, Commonwealth Build-
ing, Philadelphia. Owner, Walter H. Johnson,
Esq., President Philadelphia Electric Co.,
Tenth and Chestnut streets, Philadelphia. Car-
pentry and mill work, cement work, demoli-
tion, hardware, painting and glazing, plaster-
ing, stone work, tile work, flagstone, iron
work, copper roof, shingle roof, oak floors,
stone, 2½ stories add., 25x17 feet, 10x17 feet.
Architect taking bids.

Supplies, Philadelphia. Owners, City of
Philadelphia, Department of Supplies, 312
City Hall. Owners taking bids due November
5th at noon. Portland cement and concrete,
furnishings, fuel oil for Bureau of Hospitals
and Bureau of Charities and Correction. Cer-
tified check 5 per cent. of bid.

Miscellaneous Work, Philadelphia. Owners,
Department of Public Works, Bureau of High-
ways, 232 City Hall. Owners taking bids due
November 10th, noon, in Room 216, for grad-
ing, asphalt paving, Portland cement con-
crete base for repaving, bituminous filler for
wood block, sand for asphalt paving, mix-
ture, repairs to bridges, asphalt paving mix-
tures.

Low Bidders on Miscellaneous Work, Phil-
adelphia. Owners, Department of Public
Works, Bureau of Highways, Philadelphia.
Sewers, Courtland street, Ryan Const. Co.,
Solly West of Frankford avenue, Philadel-
phia, \$49,740. Wingohocking street, Mazzola
& Marano, 739 South Seventh street, Phila-
delphia, \$494,120. Electric work, South Phila-
delphia, Pangborne Electric Co., 1927 West
Montgomery avenue, \$85,992.

Residences (41), Westmoreland, Bailey and
Marston streets, Philadelphia, \$164,800. Ar-
chitect, private plans. Owner, Max A.
Schwartz, 5302 Diamond street, Philadelphia.
Brick, 2 stories, 16x31 feet, slag roof, pine
floors, hot water heat, electric light. Permit
granted.

Residences (72), Loretta, Van Kirk, Comly
and Oxford avenue, Philadelphia, \$370,000.
Architect, private plans. Owners, P. J. & J.
T. Whelan, 432 Bankers' Trust Building, Phil-
adelphia. Brick, 2 stories, various sizes, hard-
wood and pine floors, hot water heat, electric

light. Permit granted.

Storage Building, East side D street, North
of Erie avenue, Philadelphia, \$5,000. Archi-
tect, private plans. Owners, A. Taylor Co., on
premises. Iron, 1 story, 70x80 feet. Permit
granted.

Residences (42), Fairhill, Johnson and Big-
ler streets, \$5,000 each, Philadelphia. Archi-
tect, private plans. Owner, W. L. Jones, 2860
South Fifteenth street, Philadelphia. Brick,
2 stories, various sizes, slag roof, hot water
heat, electric light. Permit granted.

Residences (14), South side Meehan street,
East of Boyer street, Philadelphia, \$8,300
each. Architect, private plans. Owner, Bart
Tourison, 222 East Mt. Pleasant street, Phila-
delphia. Brick, 2 stories, 16x34 feet, hardwood
and pine floors, hot water heat, electric light.
Permit granted.

Residences (2), West side Fourth street,
North of Sixty-seventh avenue, Philadelphia,
\$6,500 each. Architect, private plans. Own-
er, John R. Schaeffer, 3731 North Seventh
street, Philadelphia. Frame, 3 stories, 25x30
feet, shingle roof, hardwood and pine floors,
hot water heat, electric light. Permit granted.

Residence, East side Bustleton avenue,
South of Hellerman street, \$6,000. Architect,
private plans. Owner, Joseph W. Bradley,
4516 Paul street, Philadelphia. Brick, 1 story,
28x38 feet, hardwood and pine floors, hot wa-
ter heat, electric light. Permit granted.

Boiler House, South side Washington ave-
nue, East of Fifth street, \$6,000. Owners,
Southwark Foundry and Machine Co., Fourth
and Washington avenue. Steel and concrete,
1 story, 56x56 feet. Permit granted.

Residences (11), East side Vaux street,
South of Bowman street, \$4,500 each. Archi-
tect, private plans. Owner, Samuel D. Levin,
406 City Center Building, Philadelphia. Brick,
2 stories, 16x38 feet, slag roof, pine floors,
hot water heat, electric light. Permit granted.

Residences (13), 7227-51 Ogontz avenue,
Philadelphia, \$86,500. Architect, private
plans. Owner, Walter S. Bauer, Seventy-sec-
ond and Ogontz avenue, Philadelphia. Brick,
2 stories, (2) 16x42 feet, (11) 16x31 feet,
11x11 feet, slag roof, hardwood and pine
floors, hot water heat, electric light. Permit
granted.

Residences (2), North side Shelmire street,
East of Bingham, \$5,000 each. Architect, pri-
vate plans. Owner, Harry Gorelick, 2427
North Douglas street, Philadelphia. Brick,
frame, 2 stories, 14 feet 6 inches x 48 feet,
hardwood and pine floors, hot water heat,
electric light. Permit granted.

Residences (2), South side Fuller street,
West of Loretta street, \$4,000 each. Architect,
private plans. Owner, Fred Redner, Chelten-
ham, Pa. Frame, 3 stories, 16x41 feet, shingle
roof, pine floors, hot water heat, electric
light. Permit granted.

Residences (2), 7238-40 Lawndale avenue,
Philadelphia, \$5,000 each. Architect, private
plans. Owner, John C. Stoltz, 7237 Bingham
street, Philadelphia. Frame, 3 stories, 16
feet 4 inches x 37 feet 6 inches, shingle roof,
hardwood and pine floors, hot water heat,
electric light. Permit granted.

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Apartment House, 4713 Chester avenue, Philadelphia, \$80,000. Architect, private plans. Owner, Samuel Elgart, 5230 Parkside avenue, Philadelphia. Brick, 4 stories, 21x200 feet, 37x34 feet, slag roof, hardwood, pine and cement floors, electric light, tile work. Permit granted.

Residences (8), 104-18 Rochelle avenue, Philadelphia, \$42,000 total. Architect, private plans. Owners, C. M. Swartley & Son, 6835 Ridge avenue, Philadelphia. Brick, 2 stories, 17x33 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Garage, 4730-32 Chestnut street, Philadelphia, \$25,000. Architect, private plans. Owner, B. Bornstein, 1318 Belfield avenue, Philadelphia. Brick, 2 stories, 50x99 feet, slag roof, cement floors, electric light. Permit granted.

Garage, 144 Allen's Lane, Philadelphia, \$22,000. Architect, private plans. Owner, H. D. Rose, 1427 Nedro avenue, Philadelphia. Steel and gypsum, 1 story, 72x213 feet, electric light, cement floors. Permit granted.

Residence (add.), 3537 North Sixteenth street, Philadelphia, \$12,000. Architect, private plans. Owner, Louis Elgart, 5312 Berks street, Philadelphia. Brick, 3 stories, front add. 18x20 feet, 2 stories rear add., 28x36 feet. Permit granted.

Office Building (add.), Northeast Corner Lee and Allegheny avenue, \$10,000. Architect, private plans. Owner, A. C. Hamilton, on premises. Brick, 3 stories rear add., 52 feet

7 inches x 38 feet 11 inches. Permit granted.

Residences (4), West side Oxford avenue, North of Loney street, Philadelphia, \$6,000 each. Architect, private plans. Owner, W. E. Strock, Fox Chase, Philadelphia. Brick and frame, 2 stories, 16x59 feet, hot water heating, electric lighting, hardwood and pine floors. Permit granted.

Residences (11) and Office, Stenton and Mt. Pleasant avenues, \$84,500. Architect, private plans. Owner, John Uber, Ambler, Pa. Brick, 2 stories, (1) 17x50 feet, (10) 19x44 feet, office, 1-story, 16x21 feet, hardwood and pine floors, hot water heat, electric light, tile work. Permit granted.

Residences (8), West side Salmon street, South of Orthodox street, Philadelphia, \$3,500 each. Architect, private plans. Owner, Stanley Bialis, 4353 Belgrave street, Philadelphia. Brick, 2 stories, 16x44 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Swimming Pool, Moyer and Montgomery Avenue, Philadelphia. Architect, Ralph E. White, Penna. Building, Philadelphia, Philadelphia. Owner, Department of Public Welfare, Bureau of Recreations, 595 City Hall. Plans ready for bidders, bids due Nov. 13th.

Church (Repairs), Northeast corner 59th and Catharine streets, \$3,000. Architect, private plans. Owners, Second Church of United Brethren in Christ, on premises. General fire repairs. Permit granted.

terproofing, flagstone, ornamental tile work, metal lath. Contract awarded William J. Ryder, 1725 Sansom street, Philadelphia.

Apartment House, Queen Lane, Philadelphia. Architect, William H. Lee, 1505 Race street, Philadelphia. Owner, Chester W. Rudisell, care of architect. Brick, architectural terra cotta, cut stone, steel, 3 stories and basement, tile and built-up roof, 221x82 feet, oak and cement floors, electric light, metal lath, tile and marble work, rolled steel sash and skylights, tin clad, kalamein and hollow metal, iron doors, bond, metal bulks, ornamental iron work, cast stone, area gratings, metal corner beads, kitchen units, painting and glazing. Contract awarded Nelson Pedley Const. Co., 1510 Chestnut street, Philadelphia.

Apartment Building, Roosevelt and Summerdale avenue, Philadelphia, \$100,000. Architect, Louis J. Tunis, 1600 Arch street, Philadelphia. Owner, Charles Gross, Land Title Building, Philadelphia. Brick, limestone, steel, 3 stories and basement, 42x100 feet, slag roof, hardwood and linoleum floors, hot water heat, oil burning equipment, electric light, metal lath, tile and marble work, fire tower, incinerator, gas range, miscellaneous iron work. Contract awarded John W. Emery Co., 34 South Sixteenth street, Philadelphia.

Office Building, Twenty-fifth and Fairmount avenue, Philadelphia. Architects, Zantzing, Borie & Medary, Otis Building, Philadelphia. Owners, Fidelity Mutual Life Insurance Co., Mr. W. L. Tabor, 112 N. Broad Street, Philadelphia. Reinforced concrete, stone, steel. Contract for demolition awarded C. D. Heavey, Camden, N. J.

Store (alts. and add.), Garage (6), Thirteenth and Montgomery avenue, Philadelphia. Architect, Edwin L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, Dr. Louis Green, on premises. Brick, 16x50 feet (heating and metal ceiling reserved), slag roof, cement floors, hardwood floors, marble work, metal bulks. Contract awarded Arcade Const. Co., Finance Building, Philadelphia.

Dye Storage Building (add.), Front and Olney avenue, Philadelphia. Architect, private plans. Owners, Heintz Mfg. Co., Front and Olney avenue, Philadelphia. Steel siding, structural steel and concrete, 1 story (plumbing, heating and electrical reserved), slag roof, concrete floors, rolling steel sash. Contract awarded William F. Newberry Co., Otis Building, Philadelphia.

Storage Building, Twenty-fifth, Wharton and Oakford streets, Philadelphia, \$150,000. Architect, F. M. Sawyer, Twelfth and Race streets, Philadelphia. Owner, name withheld. Brick, steel, 1 story, 128x200 feet, slag roof, cement floors, electric light, rolled steel sash,

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Apartment House, Northwest Corner Thirty-sixth and Powelton to Pearl street, Philadelphia. Architect, J. Frank Clark, 23 South Sixteenth street, Philadelphia. Owner, James L. Cochrane, care of architect. Brick, steel, cut stone, 4 stories and basement, 50x178 feet, vapor heat, oil burning equipment, electric light, slag roof, composition and hardwood floors, excavation, electric elevators, concrete work, laundry and kitchen equipment, incinerator, refrigerators, iron stairs, ornamental iron work, hollow metal skylights, kalamein doors, quarry tile, marble and terrazzo work. Contract awarded Franklin Const. Co., 23 South Sixteenth street, who are taking sub-bids. Work to start at once.

Nurses' Home, Huntingdon, between Front and A street, Philadelphia. Architects, Stewardson & Page, 315 South Fifteenth street,

Philadelphia. Owners, Episcopal Hospital, C. J. Gill, secretary, on premises. Brick, reinforced concrete, stone, steel, 4 stories and basement, 40x48 feet, Barrett Specification roof, maple and cement floors, hollow tile, plumbing, metal ceilings, architectural terra cotta, brass pipe, ornamental iron work, bond, hollow metal doors, tile and marble, metal lath. Contract awarded W. R. Dougherty, 1610 Sansom street, Philadelphia.

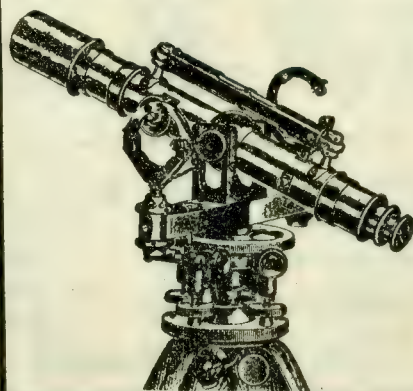
Residence and Garden Walls, Hillcrest avenue, Chestnut Hill, Pa. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, Charles Willing, care of architect. Stone, brick, cut stone, limestone, 2½ stories and basement, 58x31 feet, wing 51x18 feet, variegated slate roof, oak and yellow pine floors, painting, glazing, asphalt wa-

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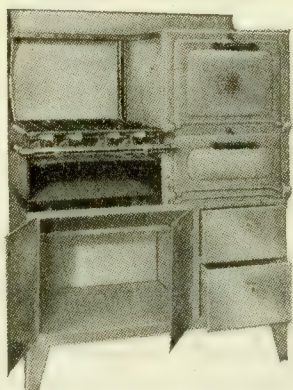
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fire doors, ornamental iron work, rolled steel shutters, plumbing, painting and glazing. Contract awarded Murphy-Quigley Co., 1524 Sansom street, Philadelphia.

Garage, 533 Arbutus street, Germantown, Philadelphia. Architect, private plans. Owner, Daniel Badger, Jr., on premises. Stone, 1 story, 24x19 feet, slate roof, cement floors, electric light. Contract awarded C. C. Eddleman, 1627 Sansom street, Philadelphia.

Residences (2), North side Disston street, West of Loretta street, \$5,000 each. Architect, private plans. Owners, Noheimer & Mauer, 1304 North Second street, Philadelphia. Brick, 3 stories, 17x56 feet, slag roof, hot water heat, electric light. Contract awarded to John Mauer & Co., 4952 D street, Philadelphia.

Residence and Garage, Southwest Corner Wayne avenue and Westview street, \$35,000. Owner, John A. Seeds, 1028 West Upsal street, Philadelphia. Stone, 2 stories, 55x31 feet, garage, 1 story, 22x25 feet, slate roof, hardwood, pine and cement floors, electric light, tile work. Contract awarded to Ralph C. Borthwick, 6511 North Woodstock street.

Apartment House, 1937 West Girard avenue, Philadelphia, \$28,000. Architect, private plans. Owner, Charles N. Butler, on premises. Brick, 3 stories, 21 feet 6 inches x 74 feet, slag roof, hardwood and pine floors, oil burning heater, electric light. Contract awarded to Perry T. McCluskey, 419 West Luray street.

Store and Residence (add. and alts.), 4401 Chestnut street, \$9,000. Owner, C. Lorentz, 4401 Chestnut street, Philadelphia. Brick, 1 story add., 8x19 feet, general alterations. Contract awarded to Simon Reese, 1641 West Thompson street, Philadelphia.

Store and Residence (add. and alts.), Southeast Corner Forty-ninth and Saybrook avenue, \$6,500. Architect, private plans. Owner, Simon Schorr, on premises. Brick, 2 stories add., 14x12 feet, general alterations. Contract awarded to S. Getz, 2720 Oxford street, Philadelphia.

Store, 809 Sansom street, Philadelphia, \$12,000. Owners, Sacks & Goldman, on premises. Brick, 2 stories, 20x108 feet 9 inches, slag roof, pine floors, electric light. Contract awarded to A. Barsky, 3225 Arlington street, Philadelphia.

Garage, 6024 Ridge avenue, Philadelphia, \$4,000. Architect, private plans. Owner, A. M. Stetler, 6024 Ridge avenue, Philadelphia. Brick, 1 story, 28x30 feet, 18x49 feet, slag roof, cement floors. Contract awarded to W. H. Eddleman & Son, 453 Green Lane, Philadelphia.

Storage Building (repairs), 235 Race street (rear), \$3,000. Architect, private plans. Owner, D. Dorey, 235 Race street, Philadelphia. General fire repairs. Contract awarded to Clayton Lofland, 231 North Water street, Philadelphia.

Office, East side Tacony street, North of Sanger street, Philadelphia, \$2,500. Architect, private plans. Owners, Thomas O'Brien Co., Thirty-third and Master streets, Philadelphia. Brick, 1 story, 16x24 feet, slag roof, pine floors, electric work. Contract awarded to Conneen Const. Co., 2313 Walnut street.

Building (alts.), 411 Cherry street, Philadelphia, \$2,500. Architect, private plans. Owner, John A. Currie, 105 South Forty-second street, Philadelphia. General alterations. Contract awarded to Clayton Lofland, 231 North Water street, Philadelphia.

Building (alts.), 702 Porter street, Philadelphia, \$2,300. Architect, private plans. Owner, Harry Roman, 440 Ritner street, Philadelphia. General alterations. Contract awarded to Philip Savar, 718 Snyder avenue, Philadelphia.

Store and Storage (add.), Northwest Corner Fifteenth and Dickinson streets. Architect, private plans. Owner, Oresto Stango, Southwest Corner Fifteenth and Dickinson streets, Philadelphia. Brick, 2 stories add., 16x20 feet. Contract awarded to Orlando Blundo, 2545 Latona street, Philadelphia.

Barn and Stable, South side Red Lion Road, West of Verree Road, \$5,300. Architect, private plans. Owners, John Summers & Bro., Huntingdon Valley, Pa. Frame, 1 story, 52x54 feet, shingle roof, wood floors. Contract awarded to William D. Bubeck, Somerton, Pa.

Garage (alts.), 3034 West York street, Philadelphia, \$3,000. Architect, private plans. Owner, Morris Nickelson, on premises. General alterations. Contract awarded to S. Pachsky, 1609 South Sixth street, Philadelphia.

Store and Storage (add. and alts.), 2600 North Stanley street, \$2,800. Architect, private plans. Owner, M. Goldstein, 2802 North Stanley street, Philadelphia. Brick, 1 story add., 14x14 feet, general alterations. Contract awarded to Frank Miller, 5130 North Hutchinson street.

Store and Office (alts.), 5208 Chestnut street, Philadelphia, \$2,500. Architect, private plans. Owner, Robert M. Fitch, 315 Market street, Philadelphia. General alterations. Contract awarded to W. R. Wayman, 741 South Chadwick street, Philadelphia.

Garage, 330 East Cheltenham avenue, Philadelphia, \$2,000. Architect, private plans. Owner, H. Zeedman, 179 East Cheltenham avenue,

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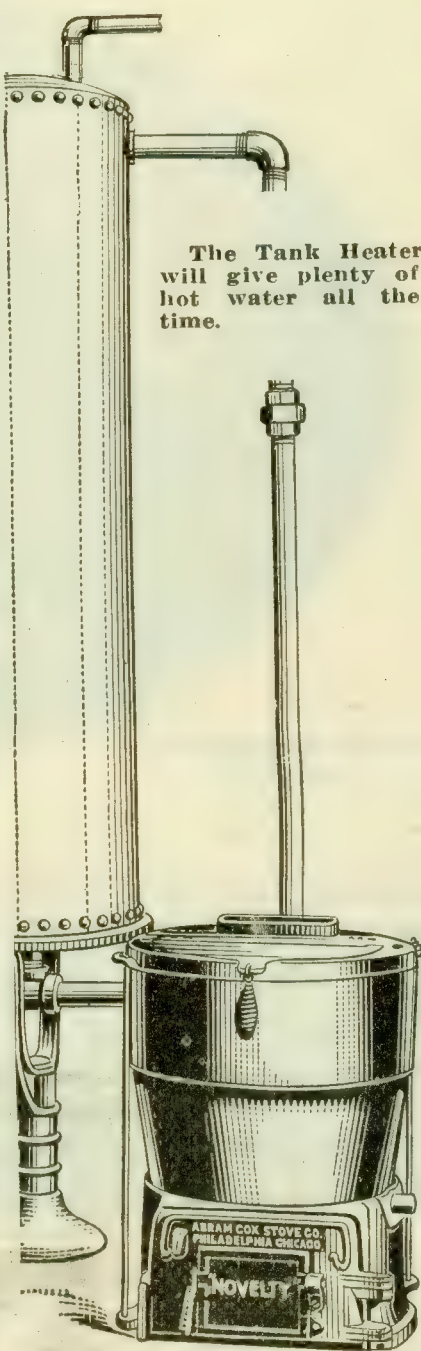
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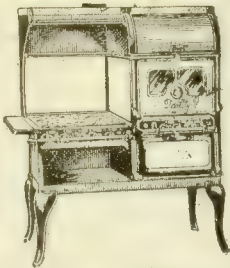
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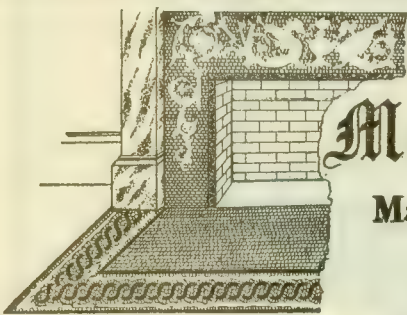


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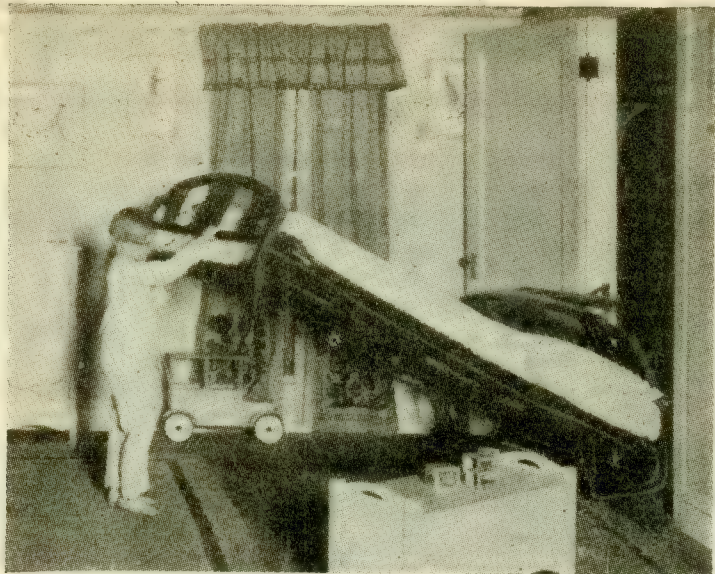
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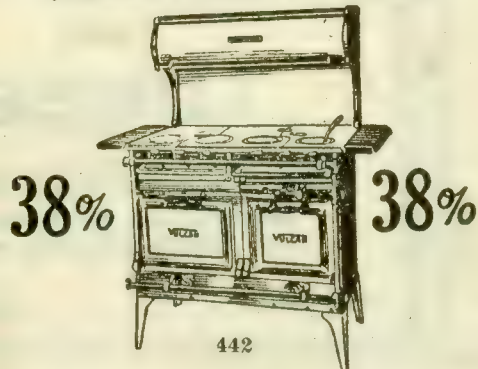
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Residence (add.), 926 Moore street, Philadelphia, \$2,000. Architect, private plans. Owner, John Calabro, 926 Moore St., Philadelphia. Brick add., slag roof, pine floors, electric work. Contract awarded to Guangiulo S. Valerio, 1914 Fernon street.

Store and Residence (alts.), 1605 South street, Philadelphia, \$2,000. Architect, private plans. Owner, Miss Fireman, 1537 Belmont avenue, Philadelphia. General alterations. Contract awarded to Morris, Wolf & Shiffer, 3819 Poplar street.

Residence, East side Lawnton avenue, North of Parkers avenue, \$7,700. Architect, private plans. Owners, John Furlong, Jr., 2800 Allegheny avenue, Philadelphia. Frame, 3 stories, 27x28 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to William A. McCauley, 4319 Terrace street, Philadelphia.

Residence, 1822 East Ontario street, Philadelphia, \$3,500. Architect, private plans. Owners, Field & Moore, 3210 H street, Philadelphia. Brick, 2 stories, 16x38 feet, hot water heat, electric light, slag roof, pine floors. Contract awarded to Charles S. Bannett, 1633 South Fifty-ninth street, Philadelphia.

Shop (add.), 4342 North Broad street, Philadelphia, \$3,000. Architect, private plans. Owner, W. S. Johnson, 4342 North Broad street, Philadelphia. Brick, 1 story, 18x60 feet, slag roof, pine floors. Contract awarded to Thomas Hawkins, 4642 North Fifteenth street, Philadelphia.

Store and Residence (alts.), 816 Locust street, Philadelphia, \$2,000. Architect, private plans. Owner, Harry Levenson, 812 Locust street, Philadelphia. General alterations. Contract awarded to William Britton, 5425 Market street, Philadelphia.

Residence, 7233 Lawndale avenue, Philadelphia, \$4,500. Architect, private plans. Owner, Carl Britter, 7235 Lawndale avenue, Philadelphia. Frame, 1 story, 28x36 feet, shingle roof, hardwood and pine floors, electric light. Contract awarded to Betz Brothers, 6915 Rising Sun avenue, Philadelphia.

Store and Residence (alts.), 244 West Rittenhouse street, \$3,000. Architect, private plans. Owner, Vernon T. Patterson, on premises. General alterations. Contract awarded to James H. Walter, 168 East Walnut Lane, Philadelphia.

Storage Building, East side Stokley street, South of Hunting Park avenue, \$10,000. Architect, private plans. Owners, E. G. Budd Manufacturing Co., Hunting Park and Stokley street. Iron, 1 story, 59x79 feet. Contract awarded to Wark Co., 1600 Walnut street, Philadelphia.

Garage, Northeast Corner Oak Lane and Thirteenth street, Philadelphia, \$4,500. Architect, private plans. Owner, Joseph O'Neill, Thirteenth and Oak Lane avenue, Philadelphia. Stone, 1 story, 27x25 feet, cement floors,

electric light. Contract awarded to C. L. Hemmerly & Son, 1015 Melrose avenue.

Residences (2), North side Cinnaminson street, West of Mitchell street, \$4,000 each. Architect, private plans. Owner, William Birkin, 815 East Chelton avenue, Philadelphia. Brick, 2 stories, 15 feet 6 inches x 42 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Percy St. Johns, 2008 Church Lane, Philadelphia.

Church (alts.), Northeast Corner Fifty-eighth and Thompson streets, Philadelphia, \$3,000. Owners, Weston Memorial Church, on premises. Roof supports. Contract awarded to Morris Wheeler & Co., Thirtieth and Locust streets.

Dye House (alts.), North side Boston avenue, East of Emerson street, \$3,000. Architect, private plans. Owners, Firth-Foster Co., Emerald and York streets, Philadelphia. General alterations. Contract awarded to H. M. Wilson Co., 1101 People's Bank Building.

Store (alts.), Northwest Corner Thirteenth and Vine streets, Philadelphia, \$2,500. Architect, private plans. Owner, Basil Walsh, 506 Walnut street, Philadelphia. General alterations. Contract awarded to Henry C. Dahl, 231 South Eighth street, Philadelphia.

Church, North of Chelton Avenue, east of Boyer street, Philadelphia. Architect, Heacock and Hokanson, 1211 Chestnut Street, Philadelphia. Owner, Chelton Avenue Baptist Church, on premises. Bonds, concrete and cement work, stone work, cement floors, carpentry and millwork, plastering, hardware, iron work, plumbing, painting, glazing, electric work, flagstone. Contract awarded Goodwin and Develin, 1339 E. Haines Street, Philadelphia.

Residence (alts. and add.), 1928 Panama Street, Philadelphia. Architect, Wm. F. B. Koelle, Otis Building, Philadelphia. Owner, F. E. D. Thayer, on premises. Brick, 4 stories, 18x45 feet, general alterations, carpentry and millwork, electric light. Contract awarded T. S. Fetter, 1829 Filbert Street, Philadelphia.

Store and Apartments (3) 542 South Fifty-second Street, Philadelphia. Architect, Wm. F. B. Koelle, Otis Building, Philadelphia. Owner, Wm. J. McConnell, care of architect. Brick, steel, 2 stories and basement, 20x16 feet, slag roof, pine floors, electric light, millwork, carpentry, plastering, plate glass, painting and glazing, ornamental iron work. Contract awarded A. B. Gilchrist, Drexel Building, Philadelphia.

Residence, South side Princeton Avenue, East of Loretta Street, \$7,000. Architect, private plans. Owner, Lewis Mahli, 1216 Cambria Street, Philadelphia. Brick, 2 stories, 25x27 feet, 10x8 feet, hot water heat, electric light, hardwood and pine floors. Contract awarded to J. Jensen, Afton Street, Fox Chase, Pa.

Residence, 2 North Forty-first Street, Philadelphia, \$3,500. Architect, private plans. Owner, Wm. Blakney, on premises. Brick, 2 stories addition, 12x18 feet, slag roof, pine

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floors. Contract awarded to Geo. Turner, 4233 Wallace street, Philadelphia.

Residences (2), 5841-43 Morton Street, Philadelphia, \$3500 each. Architect, private plans. Owner, C. Messa, 82 East Haines St., Philadelphia. Brick, 2 stories, 13x30 feet, 10x10 feet, slag roof, pine floors, electric light. Contract awarded to Anton Pasquerella 210 E. Haines street.

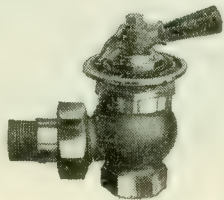
Store and Residence (add. and alts.), 3223 North Front Street, \$2500. Architect, private plans. Owner, J. Misneski, on premises. General alterations and addition. Contract awarded to B. Oristagler, 1837 Moore Street, Philadelphia.

Store, 4208 Baltimore Avenue, Philadelphia, \$2,000. Architect, private plans. Owner, D. H. Rabakyian, 105 Stratford Avenue, Philadelphia. Brick, 1 story, 20x20 feet, slag roof, pine floors, electric work. Contract awarded to Chas. S. Bennett, 1633 South Fifty-ninth street, Philadelphia.

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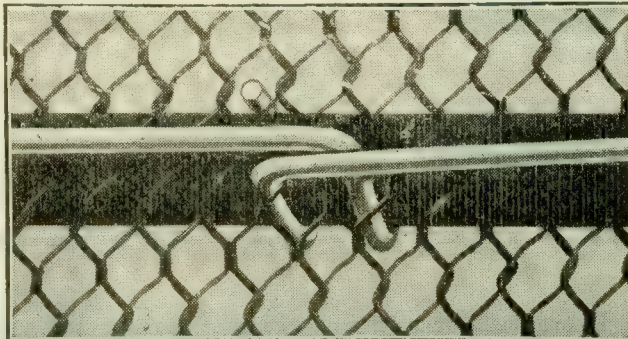
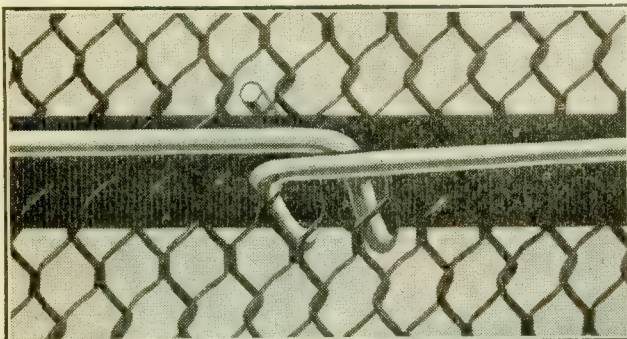


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Pennsylvania Construction News

Parochial School, Willow Grove, Pa. Architect, L. Walton Heiss, Jenkintown, Pa. Owner, St. David's Roman Catholic Church, Rev. E. J. Curran, Willow Grove, Pa. Architect taking bids due Nov. 9th.

School Building, Belmont and Millmont Ave., Millmont, Ridley Park Heights, Delaware County, Pa. Architect, Peter Getz, Victory Building, Philadelphia. Owner, Our Lady of Peace Parish, Rev. A. R. Rees, on premises. Stone, brick, cut stone, 2 stories and basement, 106x55 feet, asbestos shingle roof, cement pine floors, vapor heat, electric light, metal lath, rolled steel sash, bond, ornamental iron work, water and dampproofing, metal ceilings, bluestone, limestone. Architect taking bids due Nov. 17th at noon.

School, Huntingdon Valley, Pa. Architect, Druckenmiller and Williams, Otis Building, Philadelphia. Owner, Lower Moreland Township, West Ridgeway, Huntingdon Valley, Pa. Stone, cut stone, 2 stories and basement, 74x80 feet, (plumbing, heating, electric separate) slag roof, mastic and maple floors, hollow tile waterproofing bond, ornamental iron work, metal lath, bluestone. Owner taking revised bids due Nov. 9th.

High School (add.), Ardmore, Pa. \$200,000. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, Lower Merion Township School Board, Merion, Pa. Stone, 3 stories and basement. Plans in progress.

Club House, State Road and Springfield Rd. Marple, Springfield Township. Architect, Heacock and Hokanson, 1211 Chestnut St., Philadelphia. Owner, Rolling Green Golf Course, Chester, Pa. Brick, hollow tile, stucco, stone, 2 stories, variegated slate and shingle roof, pine and cement floors, plumbing, electric light. Architect will be ready for revised bids in one week.

Branch Bank Building, Third and Highland avenue, Chester, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Pennsylvania National Bank of Chester, Pa. Stone, brick, 3 stories. Plans in progress.

Residence, Colwyn, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, J. Harry Swope, Darby, Pa. Brick, cement block, stucco, 2½ stories. Plans in progress.

Cottage, Merion, Pa. Architect, J. L. Conaroe, 225 South Sydenham street, Philadel-

phia. Owner, name withheld. Frame, 1½ stories, 18x30 feet, shingle roof, pine floors, hot air heat, electric light. Plans in progress.

Residence and Garage, Noble Vista, Pa. Architect, A. C. Borzner, 721 Walnut street, Philadelphia. Owner, Hugh Eby, 4710 Stenton avenue, Philadelphia. Stone, 3 stories, 33x45 feet, wing 15x20 feet, slate roof, hardwood, rubber tile and cement floors, hot water heat, electric light, tile work, rolled steel sash (3 baths). Plans in progress.

Residence and Garage, Ithan avenue and Curwen road, Rosemont, Pa. Architect, W. A. Young, 22 Bala avenue, Bala, Pa. Owner, Thomas O. Haydock, Jr., 20 South Fifteenth street, Philadelphia. Stone, hollow tile, 2 stories, electric light, hardwood floors, tile work. Plans in progress.

Service Station, Morton, Pa., \$5,000. Architect, Charles M. Wells, 3617 North Broad street, Philadelphia. Owner, name withheld. Tapestry brick and concrete block, 1 story, 20x46 feet, asbestos roof, cement floors, hot water heat, electric light, metal lath, metal window guards. Preliminary plans in progress.

Public Garage, Morton, Pa., \$8,000. Architect, Charles M. Wells, 3617 North Broad street, Philadelphia. Owner, name withheld. Concrete block, 1 story, 50x80 feet, asphalt roof, cement floors, hot water heat, electric light, iron trusses. Preliminary plans in progress.

Masonic Temple Building, Scranton, Pa., \$1,000,000. Architect, not selected. Owners, Free Masons, 326 Adams avenue, Scranton, Pa. Competitive plans will be received December 19th, 1925, by Dr. Warren P. Laird, University of Pennsylvania, Philadelphia.

Service Building, Allentown, Pa. Architects, Ruhe & Lange, 10 North Sixth street, Allentown, Pa. Owners, Hospital Association, care of E. W. Sherer, Allentown, Pa. Sketches in progress.

Store and Apartment, 102 Main street, Bethlehem, Pa. Architect, H. G. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owner, Franklin F. Rogers, 1023 Main street, Bethlehem, Pa. Brick, steel, cinder block, 3 stories, 45x55 feet, slag roof, hardwood floors, vapor heat, electric light, metal lath, plate glass, copper work, metal ceilings, ornamental iron, incinerator. Preliminary plans in progress.

Apartments and Stores (5), Sixth and Linden streets, Allentown, Pa. Engineer, A. J. Bibighaus, 530 Hamilton street, Allentown, Pa. Owner, Joseph Lieberman, Sixth and Linden streets, Allentown, Pa. Brick, steel, concrete, 3 stories and basement, 16x110 feet, slag roof, hardwood floors, plate glass, copper work, ornamental iron, tile work, hot water or oil heating, electric light. Plans in progress.

Lodge Building, South George street, York, Pa. Architect, private plans. Owners, Knights of Columbus, William A. Allen, secretary, York, Pa. Brick, 3 stories, 62x240 feet. Plans in progress.

Moving Picture Theatre, Store and Apartment, Third and Central streets, Chester. Architect, R. R. Neely, 2301 Spruce street, Philadelphia. Owner, H. C. Goodwin, care of G. W. Carry, Lincoln Building, Philadelphia. Brick, steel, 5 stories, 130x150 feet, slag roof, concrete floors, steam heat, electric light, elevators, tile work, metal bulks. Revised plans in progress.

Moving Picture Theatre and Stores (2), Woodland avenue near Railroad, Collingdale, Pa. Architect, not yet selected. Owners, Davidson & Willig, care of S. Willig, Franklin Trust Building, Philadelphia. Brick, fireproof, 1 story, 1,000 seating capacity. Owners will build in spring of 1926.

Parochial School, Cornwell Heights, Bucks County, Pa. Architect, Peter F. Getz, Victory Building, Philadelphia. Owners, St. Charles'

Roman Catholic Church, Rev. F. J. Flood, Cornwell Heights, Bucks County, Pa. Stone, 2 stories, auditorium and class rooms, asbestos roof, pine floors, rolled steel sash, metal ceilings, metal stairs. Plans in progress. Ready for bids in ten days.

Residence, Jenkintown, Pa. Architect, J. L. Conaroe, 225 South Sydenham street, Philadelphia. Owner, S. W. Chapman, Jenkintown, Pa. Stone, hollow tile, stucco, 2½ stories, 40x24 feet, wing 18x13 feet, garage, 18x22 feet, hot water heat, electric light, tile work, slate roof, hardwood floors. Owner will build. Start work in one week.

Residences (25), Merwood Park, Pa. Architect, private plans. Owner, Stephen Schifter, South Ardmore, Pa. Frame and stucco, 2½ stories, 20x40 feet, shingle roof, oak and pine floors, hot water heat, electric light, tile work. Owner taking sub-bids.

Residences (3), Rowland Park, Cheltenham, Pa. Architect, private plans. Owners, Conlin-McGill & Parker, Inc., 4401 Germantown avenue, Philadelphia. Frame and stucco, 2½ stories, 24x34 feet, shingle roof, oak and pine floors, hot water heat, electric light, tile work. Owners taking sub-bids.

Garage, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Kerfreiter & Schaeffer, Allentown, Pa. Concrete, brick, steel, 2 stories, 70x120 feet, slag roof, concrete floors, steam heat, electric light, rolled steel sash, fire doors. Owners will build.

Stores and Apartments (6), Springfield, Pa. Architect, J. S. Fuller, 5438 Locust street, Philadelphia. Owners, Kaplan & Goldberg, care of architect. Brick, 2 stories and basement, 18x57 feet each, hot water heat, tile work, electric light, slag and tin roof, hardwood floors, 1 garage, 16x18 feet, slag roof, brick, cement and concrete. Architect is taking sub-bids. Work to start in one week.

Residences and Garages (75), Darby Heights, Pa. Architect, private plans. Owner, Samuel Wright, Greenway avenue, Darby, Pa. Brick, 2 stories and basement, 16x38 feet, hot water heat, electric light, slag roof, oak and pine floors. Plans in progress. Owners will build in the spring.

Residence, Merion road and Maiden avenue, Merion, Pa. Architect, private plans. Owner, Ralph F. Moss, 1023 North Sixty-fourth street, Philadelphia. Owner will build. Details undecided.

Residences (3), Remington road, Wynnewood, Pa. Architect, E. Nelson Edwards, 1012 Walnut street, Philadelphia. Owners, Deave-shall Co., Inc., Land Title Building, Philadelphia. Stone, 2½ stories and basement, 100x30 feet, slate roof, oak and pine floors, hot water heat, electric light, metal lath, tile work, ornamental iron work. Owners taking sub-bids.

School (add.), Blakely, Pa., \$50,000. Architects, E. H. Davis and George M. D. Lewis, Union Bank Building, Scranton, Pa. Owners, Blakely School District, G. L. Keller, president, Peckville, Pa. Frame add., 2 stories and basement (heating, plumbing and electric work separate.) Preliminary sketches in progress.

High and Grade School, Waverly, Pa., \$110,000. Architects, E. H. Davis and George M. D. Lewis, Union Bank Building, Scranton, Pa. Owners, School District of Waverly and Glenburn Boroughs, S. J. Davies, secretary, Waverly, Pa. Brick, concrete, 2 stories and basement (heating, plumbing and electric work separate.) Preliminary sketches in progress.

Hilltop Telephone Exchange, Harwood and West Chester Pike, Llanerch. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., Seventeenth and Arch streets, Philadelphia. Brick, cut stone, steel, 2 stories and basement, 75x75

feet, slag roof, cement floors, hollow tile, plumbing, steam heat, electric light, metal lath, tile and marble work, steel doors, steel partitions, area gratings, wrought iron pipe. Architect taking bids due November 6th.

Superintendent's Residence, Schuylkill Haven, Pa. Architect, Benjamin Rush Stevens, 1827 Arch street, Philadelphia. Owners, Schuylkill County Hospital for Mental Diseases; Board of Commissioners, care of John H. Schlottmann, Schuylkill Haven, Pa. Brick, steel, stucco, 2½ stories and basement, 54x42 feet, built-up and slate roof, cork, cement and oak, pine floors, painting and glazing, electric light, metal lath, tile and marble work, ornamental iron work, kitchen cabinets, wrought iron gratings. Owners taking bids due November 5th.

Stores (6) and Apartments, Concord and State road, Upper Darby. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owners, Aronimink Heights Co., Philadelphia, Pa. Brick, stucco, 2 stories and basement, 18x55 feet each, Spanish tile and slag roof, pine and oak, cement floors, painting and glazing, hot water heat, electric light, metal lath, tile work, bond, ornamental iron work, area gratings, plate glass. Owners taking bids due November 9th.

Grade and Junior High School, Second and Turner streets, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, School District, R. P. Wenner, Allentown, Pa. Brick, steel, limestone, 3 stories and basement, 182x136 feet (plumbing, heating, electric separate), Barrett Specification roof, composition, cement and maple floors, hollow tile, painting and glazing, roof ventilators, waterproofing and dampproofing, metal lath, tile work, rolled steel sash and skylights, fire and kalamein doors, bond, iron stairs, ornamental iron work, east stone, ornamental plastering, area gratings, moving picture booth, dumb waiters. Owners taking bids due November 20th, 8 P. M.

Epsilon Fraternity House, State College, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Alpha Sigma Pi, State College, Pa. General construction, heating, lighting and plumbing. Architects taking bids due November 6th.

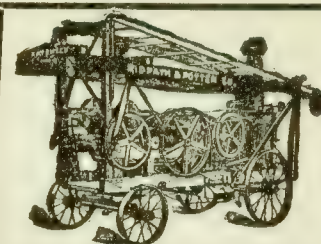
Office Building and New Freight House, Shenandoah, Pa. Architect, Samuel T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Reading Railroad Co., Twelfth and Market streets, Philadelphia. Brick, steel, 2 stories, 25x26 feet, freight house, 25x100 feet add., freight house, 25x38 feet, asbestos built-up roof, cement, maple and

pine floors, plumbing, painting and glazing, terra cotta coping, ornamental iron work, fire doors, rolled steel sash, metal lath, hot water heat, electric light, asphalt floors, vault doors, wrought iron pipe, metal lockers. Owners taking bids due November 10th.

Pennsylvania Contracts Awarded

Cottages (3), Laurelton State Village, Laurelton, Pa. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owners, Laurelton State Village for Feeble Minded, Laurelton. Stone, reinforced concrete, 2½ stories, 100x84 feet, slate roof, cement floors, steam heat, electric light. Contract awarded F. K. Worley Corp., Wesley Building, Philadelphia.

Playhouse and Pergola, Merion, Pa. Architect, Harry B. Hostetter, Lancaster, Pa. (landscape architect). Owner, Mrs. Roseco



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Trumbull, Merion, Pa. Stone, 1 story, 15x10 feet, 22x14 feet, shingle roof, cement floors, flagstone. Contract awarded Barclay White, 1713 Sansom street, Philadelphia, who is taking sub-bids due as soon as possible.

Residence and Garage, Wynnewood, Pa. Architects, Charles Barton Keen & Wallace, 338 South Smedley street, Philadelphia. Owner, Herbert K. Ball, Wynnewood, Pa. Hollow tile, stucco, 2½ stories, slate roof, hardwood floors (heating, lighting, plumbing, tile work reserved). Contract awarded Mawrer Brothers, Narberth, Pa.

Central Office, Pottsville, Pa. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co. of America, Seventeenth and Arch streets, Philadelphia. Brick, steel, cut stone, 2 stories and basement, 77x49 feet, slag roof, cement floors, plumbing, waterproofing, ornamental iron work, bond, wrought iron work, tile work, metal lath, steam heat, electric. Contract awarded Central Const. Co., Harrisburg, Pa.

Residence (alts. and add.), Paoli, Pa. Architect, R. Brognard Okie, 208 South Smedley street, Philadelphia. Owner, Richard Haughton, Paoli, Pa. Stone, frame, 2½ stories, 25x50 feet. Contract awarded to William Parlman, Devon, Pa.

Residence, Narberth, Pa. Architect, Ralph Beneker, Bellevue Court Building, Philadelphia. Owner, H. C. Grau, Narberth, Pa. Stone, 2½ stories, 61x31 feet, wing 18x32 feet, variegated slate roof, oak and pine floors, hot water heat, electric light, tile work, ornamental iron work. Contract awarded H. E. Grau Co., 1707 Sansom street, Philadelphia.

Office (alts.), Marcus Hook, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, The Viscose Co., Marcus Hook, Pa. Interior partitions. Contract awarded to Robert Tarlo & Son, 415 South Sixth street, Philadelphia.

Residence, Rosemont, Bethlehem, Pa. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owner, George Erwin, Bethlehem, Pa. Brick, 2½ stories, irregular size, shingle roof, hardwood floors, vapor heat, electric light, tile work. Contract awarded to F. F. Speck Const. Co., 51 West Walnut street, Bethlehem, Pa.

Sugar Storage Building, Marcus Hook, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Viscose Co., Marcus Hook, Pa. Brick, concrete, steel, 1 story, 120x80 feet, irregular, Barrett Specification roof, cement floors, rolled steel sash, ornamental iron work, rolled steel shutters, integral waterproofing. Contract awarded Wark Co., 1600 Walnut street, Philadelphia.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Clearfield County, R-276-401, A-3345-3531, Ramey Borough, 4,561 feet. One course reinforced concrete, \$39,309.30. Contract awarded to Lord Const. Co., Hastings, Pa.

L. Rosengarten, Builder, formerly located at 4738 Market street, is now located at 208 Otis Blding, Philadelphia.

New Jersey Construction News

Store and Apartments (4), Palmyra, N. J. Architect, E. A. Wightman, Bankers' Trust Building, Philadelphia. Owner, name withheld. Brick, frame, stucco, 3 stories. Plans in progress.

Residence and Garage, Woodbury, N. J. Architect, Charles R. Peddle, 138 South Fourth street, Philadelphia. Owner, Mrs. Helen K. Knight, care of architect. Frame, 2½ stories, 27x44 feet, 18x20 feet, shingle roof, hardwood and cement floors, warm air heat, electric light, tile work. Plans in progress.

Ray Pines Greenburg Building, Ventnor, N. J. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Associate, H. A. Stout, Guarantee Trust Building, Atlantic City. N. J. Owners, Jewish Seaside Home for Invalids, J. J. Greenberg, Ventnor. Revised plans in progress.

Restaurant, Post Office and Apartment, Longport, N. J. Architect, Seward G. Dobbins, Segal Building, Atlantic City, N. J. Owner, M. Howard Sheek, care of architect. Cinder block, stucco, 2 stories, 42x45 feet, slate roof, hardwood floors, hot water heat, electric light, metal lath. Plans in progress.

Apartment, Atlantic City, N. J. Architect, J. R. Ogden, 143 South South Carolina avenue, Atlantic City. Owner, Nathan Levin, care of architect. Fireproof, 9 stories, 65x79 feet, slate roof, hardwood floors, hollow tile, elevators, ornamental iron, iron stairs, tile and marble, metal lath, electric light. Plans in progress.

Factory, Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Trenton Potteries, North Clinton and Ott streets, Trenton, N. J. Brick, steel, 4 stories. Plans in progress.

Bridges (2), East Merchant street and Oswego avenue, Audubon, N. J. Borough engineer, Audubon, N. J. Owners, Commissioners of Audubon, N. J. Plans in progress.

Grade School, Mt. Holly, N. J. Architect, Alexander Merchant, 1 Elm avenue, New Brunswick, N. J. Owner, School Board of Mt. Holly, Mt. Holly, N. J. All bids rejected. Plans being revised.

Masonic Temple, Woodbury, N. J. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Florence Lodge, No. 87, F. and A. M. Brick, steel, 2 stories and basement, 45x110 feet, slag roof, cement and pine floors. Architects taking bids due November 11th.

Apartment House, Bellevue Ave. and Park Boulevard, Camden, N. J. Architects, Moffett & Ergood, 140 Market street, Camden, N. J. Owner, Benjamin Natal, 1250 Kaighn avenue, Camden, N. J. Brick, steel, 2 stories and basement, 40x110 feet, slag roof, oak and pine floors, hot water heat, electric light, tile work, metal lath, ornamental iron work. Architects taking bids due as soon as possible.

Grade School, Raritan, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owners, Raritan School Board, George Hope, secretary, Raritan, N. J. Brick,

steel, 2 stories, 95x70 feet, slate roof, maple floors, hollow tile, safety treads, metal ceilings, fire doors, tile and marble, metal lath (heating, plumbing and electric work reserved). Owners about ready for bids.

Stores (4) and Apartment Building, Seaside avenue and Boardwalk, Atlantic City, N. J. Architect, S. Abramson, 2313 Walnut street, Philadelphia. Owner, Philip Davis, care of architect. Brick, concrete, 3 stories, 75x100 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Plans in progress. Architect will be ready for bids in one week.

Apartment, Atlantic City, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, Freeman Sherman, Atlantic City, N. J. Brick, 3 stories, 37x89 feet, slag roof, hardwood floors, hot water heat, electric light, tile and marble. Plans in progress. Owner will take sub-bids.

Garage and Apartment, Pleasantville, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, Warren Marshall, Pleasantville, N. J. Concrete block, 1½ stories, 140x50 feet, slag roof, concrete and pine floors, hot water heat, electric light, tile work. Owner taking sub-bids.

Residence, North Ohio avenue, Atlantic City, N. J. Architect, W. S. Hewitt, Guarantee Trust Building, Atlantic City. Owner, H. Reich, 101 North Ohio avenue, Atlantic City, N. J. Brick, 3 stories, 20x40 feet, slag roof, pine floors, electric light. Owner will build.

School (add.), Troy avenue, Ventnor, N. J. Architects, Stout & Reibenach, Guarantee Trust Building, Atlantic City. Owners, Ventnor School Board, Miss Maulick, secretary, Ventnor. Brick, steel, 2 stories and basement, 14 rooms and auditorium, slag roof, hardwood floors, hollow tile, safety treads, roof ventilators, waterproofing and dampproofing, ornamental iron, iron stairs, bond, kalamein doors, skylights, tile and marble, metal lath (heating, plumbing and electric work separate). Owners will be ready for bids in two weeks.

Apartment House (alts.), 117 Grammercy Place, Atlantic City. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, N. Hammer, 117 Grammercy Place, Atlantic City, N. J. Brick, 3 stories, 22x69 feet, slag roof, metal lath, tile and marble, partitions, skylights, sheet metal. Owner will take bids.

Residence, Ventnor, N. J. Architect, A. G. Dobbins, Segal Building, Atlantic City, N. J. Owner, Anna H. Bookmeyer, care of architect. Cinder block, stucco, 2 stories, 40x55 feet, tile roof, hardwood floors, hot water heat, electric light, tile work. Architect and owner will take bids in a few days.

Residence, Ventnor, N. J. Architect, S. G. Dobbins, Segal Building, Atlantic City, N. J. Owner, Mary B. Gardine, care of Edward Gardine, Ventnor, N. J. Frame, stucco, 2 stories, 32x41 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Owner ready for bids.

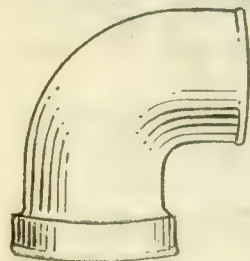
School, Carney's Point, N. J. Architect, Charles R. Peddle, 149 South Fourth street, Philadelphia. Owners, School Board of Carney's Point, N. J. Brick and concrete, 2 stories. Owners taking bids due November 16th, 7.30 P. M.

Residence, Haddonfield, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, F. C. Propert, Haddonfield, N. J. Hollow tile and stucco, 2½ stories, 26x42 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Architect taking bids due November 9th.

Residence, 1209 Dayton street, Camden, N. J., \$5,000. Architect, private plans. Owner, Ludwick Grabowski, 1482 Kenwood avenue, Camden, N. J. Brick, 2 stories, 14 feet 9 inches x 44 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

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Camden, N. J., \$3,500. Architect, private plans. Owner, George Gmeimer, 914 South Fifth street, Camden, N. J. Frame, 1 story, 24x34 feet, slate surface roof, hot water heat, electric light. Permit granted.

Junior High School, Blackwood, N. J. Architect, Thomas Stephen, Temple Building, Camden, N. J. Owners, care of Jacob Price, Glendora, N. J. Lowest bidders: George Brandt, Blackwood, N. J., \$116,872. Plumbing, P. H. Knecht, Collingswood, N. J., \$4,475. Heating and ventilating, American Heating & Ventilating Co., 1505 Race street, Philadelphia, \$11,710. Electric, Franks & Sweeney, 12258 Haddon avenue, Camden, N. J., \$2,475.

Highway Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Owners taking bids due November 16th at noon.

Morris County, Route 5, Section 16, Dover Cutoff. Earth excavation, rock excavation, double line reinforced concrete pavement. Deposit of \$10.00. Certified check, 10 per cent.

Bridge, Cumberland County, Route 15, over Muskee Creek. Reinforced concrete slab bridge, plain concrete abutments, founded on timber piling, clear span 20 feet, clear width of roadway 40 feet. Deposit of \$10.00. Certified check, 10 per cent.

New Jersey Contracts Awarded

High School, Long Branch, N. J. Architects, E. A. Iarend, 105 West Fortieth street, New York City; Guilbert & Betelle, Newark. Owners, Board of Education, Long Branch, N. J. Brick, steel, 2 stories and basement, 251x71 feet, wing 153x117 feet, slate and slag roof, cement, maple, Duraflex floors, metal lath, tile and terrazzo work, rolled steel sash, fire and kalamein doors, bond, iron stairs, ornamental iron work, bluestone, limestone, soapstone, art stone, integral waterproofing, nailegode, granite, ventilators. Contract awarded Zerbe Const. Co., New York City, \$434,000.

Residences (20), Garages (10), Merchantville, N. J. Architects, Trout & Truscott, 222 South Jessup street, Philadelphia. Owner, Harry Lee Warren, Merchantville, N. J. Cinder block and stucco, 2½ stories, 17 feet 6 inches x 22 feet, 18x20 feet, composition roof, maple and cement floors, central heat, electric light, tile work. Contract awarded Morris Pennell, Merchantville, N. J. Owner is subletting.

Apartment (add.), 313 Penn street, Camden, N. J., \$15,000. Architect, Howard E. Hall, Camden, N. J. Owner, A. S. Cades, Third and Penn streets, Camden, N. J. Brick, 3 stories, 18x85 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to William Coulter, 506 North Fourth street, Camden, N. J.

Residence, Bakery and Garage, 1555-57 Warsaw street, Camden, N. J., \$12,000. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, Joseph Hodwicki, Camden, N. J. Brick, residence, 2 stories, 32x39 feet, bakery, 1 story, 18x44 feet, garage, 1 story, 9½x17½ feet, slag roof, hot water heat, electric work. Contract awarded to W. Wierioek, 1183 Thurman street, Camden, N. J.

Boiler Room, 350 Newton avenue, Camden, N. J., \$3,000. Architect, private plans. Owners, Public Service Railway Co., Camden, N. J. Block, 1 story, 39x22 feet, concrete roof, steam heat, electric work. Contract awarded to Bennett-McLaughlin Co., 3260 Ludlow street, Philadelphia.

Residences (8), Residence and Store (1), 1001-17 Langham avenue, Camden, N. J., \$32,000. Owners, Herbert V. Realty Co., Cam-

den, N. J. Block and stucco, 2 stories, (1) 16x54 feet, (8) 14x40 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Max Goldich, Atlantic City, N. J.

Residences and Garages (2), 196-98 South Twenty-seventh street, Camden, N. J., \$12,000. Architect, private plans. Owner, A. Newmeyer, Camden, N. J. Brick, 2 stories, 16x50 feet, slag roof, hot water heat, electric light. Contract awarded to Robert Schall & Sons Co., 2719 Pierce street, Camden, N. J.

Store Building (add.), 1613 Mt. Ephraim avenue, Camden, N. J., \$3,600. Architect, private plans. Owner, Francesco Catranboni, on premises. Brick, 2 stories add., 13x14 feet, slag roof, new store front, (2) flush windows, new stairway, underpinning. Contract awarded to Antonio Morabito, 311 Division street, Camden.

Miscellaneous Construction News

College, location not selected. Architect, not selected. Owners, La Salle College, Bro. Dorotheus, president, Broad and Stiles streets, Philadelphia. Stone. Work contemplated. Project will mature in the spring.

Cottage, Roaring Gap, N. C. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, E. H. Griffin, care of architect. Frame and stone. Preliminary plans in progress.

Residence, Winston-Salem, N. C. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, Richard G. Stockton, Winston-Salem, N. C. Revised plans in progress. Architect will be ready for bids in two weeks.

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Proposal

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., October 23, 1925.—SEALED PROPOSALS will be opened in this office at 3 P. M., November 30, 1925, for construction (except mechanical equipment) of buildings for the Federal Industrial Institution for Women for the Department of Justice at Alderson, W. Va. Drawings and specifications may be obtained at this office in the discretion of the Supervising Architect. Proposals will be considered only from individuals, firms, or corporations possessing satisfactory financial and technical ability, equipment, and organization to insure speedy completion of the contract, and who have established a record for expedition on contracts of similar character and magnitude. The fact that any concern obtains a set of the plans and specifications from any source whatever and submits a bid shall not constitute a waiver of the foregoing stipulations. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 30, 1925. Sealed Proposals will be opened in this office at 3 P. M., November 30, 1925, for the mechanical equipment of buildings, and outside services, at the Federal Industrial Institution for Women, for the Department of Justice at Alderson, W. Va. Draw-

ings and specifications may be obtained at this office in the discretion of the Supervising Architect. Proposals will be considered only from individuals, firms or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract, and who have established a record for expedition on contracts of similar character and magnitude. The fact that any concern obtains a set of the plans and specifications from any source whatever and submits a bid shall not constitute a waiver of the foregoing stipulations.

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tions. James A. Wetmore, Acting Supervising Architect.

Sealed and separate bids or proposals will be received by the Board of School Directors of the School District of the City of York, Pennsylvania, for the installation of the electrical work and heating and ventilating of the Senior High School Building to be erected on the plot of ground lying at the northwest corner of West College Avenue and South Beaver street, York, Pa. The proposals must be submitted separately for the Electrical Work, and Heating and Ventilating—all in accordance with plans, drawings and specifications prepared by John B. Hamme, Registered Architect, York, Pa. A certified check equal to 5% or an acceptable Surety Company bond equal to 10% of the aggregate amount of the bid must accompany each proposal to guarantee acceptance of contract if awarded.

An acceptable Surety Company bond equal to the full amount of the contract will be required of the successful bidders.

Plans and specifications may be secured from David N. Crider, Secretary of the Board of Directors, in the Central School Building, corner of West King Street and Cherry Alley, York, Pa. A deposit or certified check for \$50 must accompany applications for each set of the Electrical Work, or Heating and Ventilating plans and specifications, \$35 of which will be returned for each set when plans and specifications are returned accompanied with a bid.

In case no bid is received the entire amount of the deposit or check will be forfeited.

On or about Nov. 9, 1925, plans and specifications will be delivered to persons making application in accordance with the above requirements. Plans and specifications will be on view in the office of John B. Hamme, Registered Architect, Citizens' Savings and Trust Building; in the office of M. O. Lewis, Superintendent of Buildings and Grounds, in the Central School Building, York, Pa., and at the Builders' Exchanges in Philadelphia, Pa., and Baltimore, Md.

All bids must be signed, sealed, properly marked with name of contract bid upon and delivered to David N. Crider, Secretary, Central School Building, York, Pa., not later than 1 o'clock P. M., of Friday, November 20, 1925. All proposals received after the time advertised for receiving bids will be returned unopened.

The right is reserved to reject any and all bids.

EDWARD W. NEUMAN,

Chairman of the Committee on Buildings, Grounds and Fuel, of the Board of School Directors of the School District of the City of York, Pa.

CERTIFICATES FOR CRAFTSMANSHIP ISSUED

Philadelphia Building Congress Makes First Award

The first fall meeting of the Philadelphia Building Congress was a memorable one. At a dinner in the City Club, attended by all elements in the building industry, with many of the recipients present in person, the Committee on Awards, after reviewing nominations received through the co-operation of architects and others qualified to pass upon the work performed during 1924, awarded certificates to individuals and firms as follows:

Guildsmen—To those engaged in the Crafts, who have shown especial skill in developing the artistry or handicraft possibilities in their particular field of work, such as designing, laying off, modeling, carving, wroughtwork, and have given visible evidences of individuality—a Certificate as a Guildsman—was awarded to:

J. H. Dulles Allen—Tiles and Pottery

John Barber—Woodworking and Furniture.

Nicola D'Ascenzo—Stained and Leaded Glass.

Carl Dubs—Woodworking and Furniture.

Edward Maene—Sculpture, Modeling and Carving.

John Maene—Modeling and Wood Carving.

Hollingsworth Pearce—Metal Work.

William A. Schaefer—Wood Carving.

Max Voight—Plastic Arts.

William J. Voight—Plastic Arts.

Samuel Yellin—Iron Work.

William A. Zimmerman—Metal Work.

Craftsmen—To those, now designated by various names, such as Mechanics, Artisans, Skilled Workers, etc., who in any building craft have shown skill, ability, efficiency, willingness and the desire to improve their own knowledge and technique as well as that of fellow workers, helpers or apprentices—a Certificate as a Craftsman—was awarded to:

John Campbell—Steam Fitting.

Oliver A. Cromwell—Stair Building.

Fred Guenther—Foremanship in Building Construction.

Charles Haberle—Slate Roofing.

Charles H. Leader—Tile Setting.

Harry F. Leslie—Foremanship in Building Construction.

Louis Rieco—Stone Masonry and Brickwork.

Lew Smith—Foremanship in Building Construction.

Builders and Sub-Contractors—To those, who have satisfactorily either erected buildings or other structures or parts thereof, or installed equipment therein, and have encouraged pride of craft on the part of co-workers and have given individual recognition of it when deserved—a Certificate as a Co-operating Master Craftsman—was awarded to:

Lorenzon Brothers—Stone Masonry and Brick Work.

A Wilt & Sons Co.—Millwork and Cabinet Work.

Wm. Moore Co.—Tilework and Slate-work.

Wesley Sloan—Tilework and Slate-work.

F. A. Black & Co.—Painting and Decorating.

D. R. MacGregor Sons—Painting and Decorating.

Harry H. Rudolph—Painting and Decorating.

D. Knickerbacker Boyd, Architect, President of the Congress, was the presiding officer, and inspiring addresses were given by H. L. Duhring, Architect, representing the T-Square Club, Wm. D. Hill, Secretary, Philadelphia Chapter Associated General Contractors, Charles E. Billen, Secretary, Engineers Club, Peter Gray of the Cut Stone Contractors Association, James O'Neill, Secretary, Bricklayers' Union, John T. Brosman, President, Master House Painters Association, F. M. Venzie, of the Plastering Contractors Association, Vernon Fletcher, Secretary, Brotherhood of Carpenters, Edwin L. Seabrook, Secretary, Roofing and Sheet Metal Contractors' Association, J. W. Pearce, Metal Lath Club, Allen D. Cornell, General Contractor, and others.

Telegrams and letters of congratulation and commendation and wishing the recipients continued success were read from Stephen F. Voorhees, President, New York Building Congress, W. Stanley Parker, Boston Building Congress, F. H. Murphy, President, Association of Building and Construction of Oregon, Dwight L. Hoopingarner, Executive, American Construction Council, Paul A. Davis, President, Philadelphia Chapter American Institute of Architects, and from the Presidents of the Chamber of Commerce, the Real Estate Board, the City Club and other organizations.

The purpose of these Certificates is to encourage and to preserve in Philadelphia and its metropolitan area the true spirit of craftsmanship; to give recognition to those whose skill, patience and toil have builded well in the community.

An interesting feature in connection with some of these awards is that they accord with a popular vote cast on ballots provided for the purpose and distributed to visitors at the recent Exhibition of Architecture and Allied Arts held in the new Art Museum at the head of the Parkway.

The Certificates are in themselves a work of Art, having been designed by George Howe, of the firm of Mellor, Meigs and Howe, Architects. After December 31st, the Committee will begin consideration of awards for 1925.

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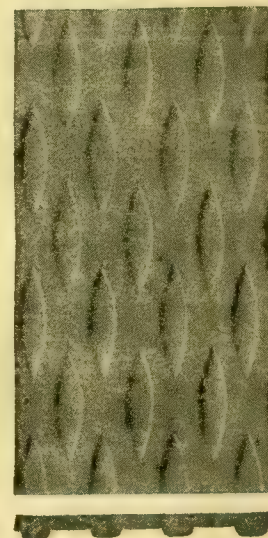


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BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XL, No. 45
November 11, 1925

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
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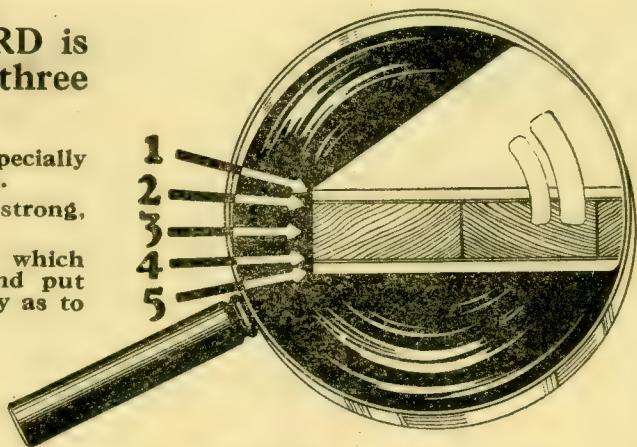
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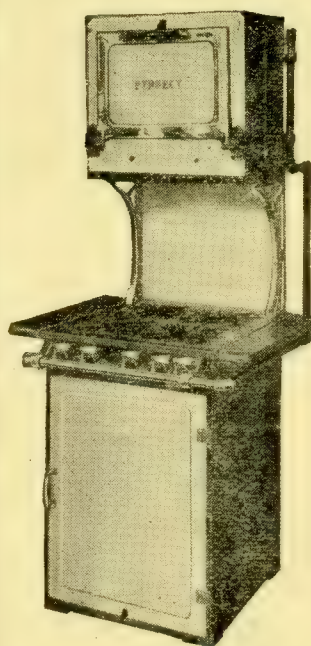
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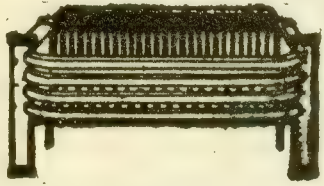
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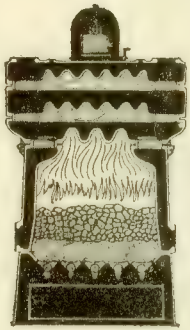
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XL
Number 45

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November, 11 1925

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As The Editor Sees It



STANDARDIZATION OF ACCI- DENT STATISTICS AND THEIR VALUE IN CONSTRUCTION WORK

By F. A. Davidson, Safety Engineer

Whenever the popular cartoonist turns his hand to the construction industry we find him almost invariably indicating his size-up of the situation by portraying a poor worried individual staggering under the weight of many burdens, which tax him almost beyond endurance. This representation with occasional variations has become commonly accepted by construction men as expressing perfectly the present plight of their industry.

The loads which retard the progress of and weigh down so oppressively on our friend in the picture representing the construction industry are of various sizes and are variously labelled. Deciphering the labels we find among others "Shortage of Materials," "Rising Wages," "Transportation Difficulties," "Underproduction" and "High Liability Insurance Rates." Nor do we find the last named caption marking by any means the smallest of the burdens.

Moreover, no well-informed observer is surprised at finding liability insurance depicted as one of the substantial burdens bearing down on the construction industry today. For if a penalty amounting on the average to approximately four

or five per cent of the payroll expenditure is defined as anything less than a serious handicap in any industrial pursuit in which manual labor is such an outstanding factor, as is the case in the construction industry, then it is not properly described. It is true, to be sure, that at the present time some of the other discouraging elements mentioned weigh perhaps more heavily. It is true also that in our habits of thought and speech we tend to follow a certain fashion. At the moment "Shortage of Materials," "Rising Wages" and so forth are fashionable terms. In attempting to solve our problem of today, namely, high costs, we cannot afford to overlook a single factor. Is it not possible that by focusing our attention exclusively on certain fashionable ills which beset us we may overlook the importance of this item of insurance which relentlessly, persistently, day after day, in season and out, goes on swelling our cost figures, a constant tax on all our operations?

Although sums expressed in terms of percentage have a way of sounding small, every construction man who has checked over an estimate will agree that the allowance demanded by insurance looked amazingly large. Most jobs in these days on which the payroll expenditure is not over one hundred thousand dollars, are regarded as small jobs. Yet what builder with an operation involving a payroll of this sum has not coveted the four or five thousand dollars which he is obliged to pay for his liability insurance. Naturally,

on the larger undertakings the sums spent for this purpose are more impressive. On a job with a million dollar payroll the insurance bill may be in the neighborhood of forty or fifty thousand dollars. If we were to total these increments paid out in connection with all contracts large and small throughout the whole country, needless to say we should find that the yearly cost of liability insurance to the construction industry reaches a startling figure.

It is sometimes said that this charge is passed on to clients and owners. The point is made that even if it were possible to avoid this item of expense no part of the saving would be retained by members of the construction industry. Therefore, why need we be concerned about it? We cannot argue along this line if we are alert to our own best interests. In our chosen field our livelihood depends on obtaining work. It is common knowledge that those who contemplate improvements are postponing their execution just as far as possible, deterred by high costs. Estimates are weighed most carefully and often the decision to go ahead or to hold off is determined by a very narrow margin. Certainly it is a fact that any possible saving of the sums mentioned above would look just as attractive to the investor as to the builder. It is unquestionably true that any reductions in cost which it might be possible for the construction industry to make, would be reflected in an increase in the volume of new construction business.

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Many Problems Beyond Scope of Construction Field

Surveying the field once more to try and pick out a point to hammer down the costs we observe that many of the problems are beyond the scope of the construction field. Indirectly, of course, builders can help some in removing the obstacles imposed by the present insufficient transportation facilities. But in the main, the construction industry will have to depend upon the efforts of those responsible for the management and operation of the railroads for the removal of the burden imposed upon it by transportation difficulties. In general, the same thing may be said with reference to the handicap imposed by the scarcity of materials.

On the other hand, in the case of the burden of liability insurance the construction industry does not have to depend upon assistance from any other quarter. This is a matter which is strictly within its own province. Is it not logical, therefore, in attacking high costs to devote some earnest attention to that item which is not only recognized as a serious burden, but also as a factor for which the construction industry alone is responsible.

What is the real character of this problem of liability insurance? Have we not sometimes fallen into the way of thinking that insurance partakes of the nature of time and tide, in that it is something quite beyond human control? Yet, fundamentally, our liability insurance is simply a question of the number of accidents which occur on construction work. If we have a relatively large number of accidents we are obliged to pay a rela-

tively high insurance premium. If accidents tend to decrease, our insurance rates will be reduced. Thus, the insurance problem resolves itself into a problem of accident prevention.

To those who have followed the progress of the Safety Movement it is an old story how industry after industry has achieved amazing results in reducing accidents. Reductions of fifty, seventy, and ninety per cent have become the common occurrence, and have demonstrated absolutely that accidents can be definitely brought under control.

Construction Lagged Behind in Safety Movement

Unfortunately construction has lagged behind the other groups in recognizing the possibilities in, and the valuable results to be obtained from a whole-hearted participation in the Safety Movement. Possibly the age-old notion: "Our business is different," explains one reason for our backward position. However, there is no reason for believing that the modern principle of accident prevention cannot be as successfully applied in construction as in other lines. Methods of application may be modified, but the principle is fundamentally sound and properly applied will certainly yield just as good results as have been obtained so widely in other industries.

As a matter of fact, the plan of applying a thorough-going safety program on construction companies has been proven beyond question to pay. Those who have attended previous meetings of this body recall the astonishing savings in insurance costs which representatives of these companies were able to show me in describing the accident prevention methods employed by their organizations.

Nevertheless, while a few progressive companies have accomplished splendid results in cutting down their individual costs, the co-operation of the whole industry is necessary in order to achieve the benefits of lowered costs on a large

(Continued on Page 719)

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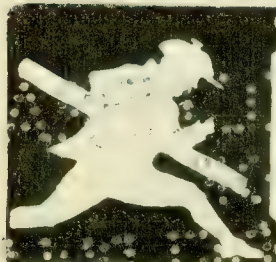
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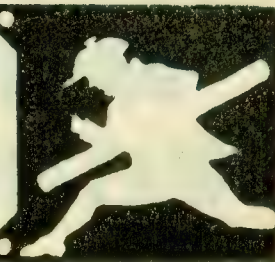


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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Apartment House, Forty-eighth and Pine streets, Philadelphia. Architect, private plans. Owners, J. R. & J. A. Whelan, Seventeenth and Summer streets, Philadelphia. Brick, stone, four stories. Details undecided. Owners will take sub-bids after January 1st, 1926.

Residence (alts. and add.) to Offices and Apartment, 1441 South Broad street, Philadelphia. Architect, Sol Kaplan, 10 South Eighteenth street, Philadelphia. Owner, Dr. M. Ginsburg, on premises. Brick, three stories, 10x18 feet, slag roof, hardwood floors, hot water heat, oil burning, electric light, tile work. Plans in progress. Ready for bids in one week.

Sprinkler in Basement of Building, S. E. Cor. Twelfth and Chestnut streets, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Pagoda Restaurant, on premises. Architects taking bids, due November 13th.

Receiving Tanks, Forty-ninth and Schuylkill River. Owners, Department of Public Works, Bureau of Street Cleaning, 332 City Hall. Owners taking bids, due Nov. 16th at noon. Reconstruction of Receiving Tanks at Garbage Reduction Plant. Certified check 5% of amount of bid.

Cafeteria Building, Broad and Pattison avenue, Philadelphia. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owners, Y. W. C. A., Eighteenth and Arch streets, Philadelphia. Frame and stucco. Details undecided. Sketches being drawn.

Office Building, 1715 McKean street, Philadelphia. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owners, Abbott's Alderney Dairies, Thirty-first and Chestnut streets, Philadelphia. Brick. Plans in progress.

Church, Ogontz and Grange streets, Philadelphia, \$40,000. Architect, Norman H. Hulme, 1524 Chestnut street, Philadelphia. Owners, Kemble Park Church, on premises. Brick. Preliminary plans in progress. Will take bids in spring, 1926.

Stores (3) and Apartments and Rebuilding Stores (2) and Apartment, Front and Rising Sun avenue, Philadelphia. Architect, Charles J. Mitchell, 15 South Twenty-first street, Philadelphia. Owner, name withheld. Brick, 2 stories, 50x80 feet, rematching brick for stores (2) and apartments, slag roof, pine

floors, hot water heat, electric light, tile work, plastering, mill work, plate glass, cement work, metal bulks. Plans in progress. Architect will take general bids in one week.

Warehouse (alts.), 738 South Second street, Philadelphia. Architects, Neubauer & Supowitz, 929 Chestnut street, Philadelphia. Owner, H. Harrison, 605 South Second street, Philadelphia. Brick, 4 stories, 40x60 feet, slag roof, wood floors, steam heat, oil burning, electric light, rolled steel sash. Plans in progress. Architect ready for bids in one week.

Bridge, near Vine street, over Schuylkill River, Philadelphia. Owners, City of Philadelphia. Work contemplated.

Stores (2) and Apartment, Willmont and Dittman streets, Philadelphia. Architect, William E. Lowenthal, 1208 Chestnut street, Philadelphia. Owner, Louis Cohn, 1804 North Twelfth street, Philadelphia. Brick, 2 stories, 37 feet front x irregular, slag roof, pine floors, hot water heat, electric light, metal ceilings, flush bulks. Owner ready for sub-bids.

Junior High School, Sixty-fifth and Elmwood avenue, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Owners will advertise for bids in about one week. Bids due in December.

Residences, 703-29 Carpenter street, Germantown, Philadelphia. Architect, Frank V. Nickels, 15 South Twenty-first street, Philadelphia. Owner, Alfred R. Smith, Green and Cheltenham avenue, Philadelphia. Concrete block, stone, stucco, 2 stories and basement, 16½x32 feet, hot water heat, electric light, metal lath, tile work, slate and slag roof, hardwood floors, cement work. Owner ready for sub-bids.

Sub-Station, Nineteenth and Oxford streets, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Philadelphia Electric Co., Tenth and Chestnut streets, Philadelphia. Brick, steel, concrete, one story. Plans in progress.

Stores (4) and Apartments (6), 2401 North Broad street, Philadelphia. Architect, Arnold Mueller, 901 Walnut street, Philadelphia. Owner, name withheld. Brick, 3 stories, 21x87 feet, slag roof, hardwood floors, plate glass, hot water heat, electric light, tile work, oil burning, metal ceilings, metal bulks. Plans in

progress. Ready for bids in 3 weeks.

Stores and Apartments (8), Mt. Airy avenue and Germantown avenue. Architect, Louis Tonk, 206 Bailey Building, Philadelphia. Owner, S. Krekstein, Bulletin Building, Philadelphia. Demolition, stone and brick work, 2 stories, 92x100 feet, electric light, plumbing, heating, slag roof, plastering, concrete and steel work, cornice work, mill work, metal bulks, ornamental iron work. Architect will take bids in several days.

Garage, Musgrave street and Cheltenham avenue, Philadelphia. Architect, Addison H. Savery, 1309 Locust street, Philadelphia. Owner, Dr. William L. Clark, 600 East Cheltenham avenue, Philadelphia. Stone, 1 story, 24x30 feet, slag roof, cement floors, hot water heat, electric light. Architect taking bids due as soon as possible.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Water, 216 City Hall. Owners taking bids due November 12th at noon. Certified check 5 per cent. of amount of bid. Switchboard and wiring for Oak Lane Pumping Station. Intake screens for Queen Lane Pumping Station. Furnish and laying 6-inch, 8-inch, 12-inch C. I. water pipe. Furnish and delivering pig lead. Further information Room 788, City Hall.

Museum Approach, Fairmount Park, Philadelphia. Architects, Borie, Trumbauer & Zantinger, 1406 Land Title Building. Owners, Commissioners of Fairmount Park City Hall, Philadelphia. Owners taking bids due November 18th at noon.

Residence, Garage and Garden Walls, Gowen near McCallum street, Chestnut Hill. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, Charles Day, Esq., care of architect. Stone, brick, cut stone, 2½ stories and basement, 100x26 feet, wing 67x37 feet, garage 52x29 feet, variegated slate roof, oak and pine and cement floors, painting and glazing, metal lath, tile and marble work, waterproofing, bond, ornamental iron work, flagstone. Architects taking bids due November 16th.

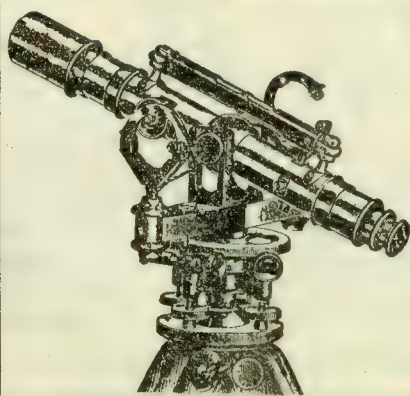
Building (alts.), Southwest Corner Front and Market streets, Philadelphia. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owner, J. Frank Shellenberger, on premises. Cement and concrete work, 5 sto-

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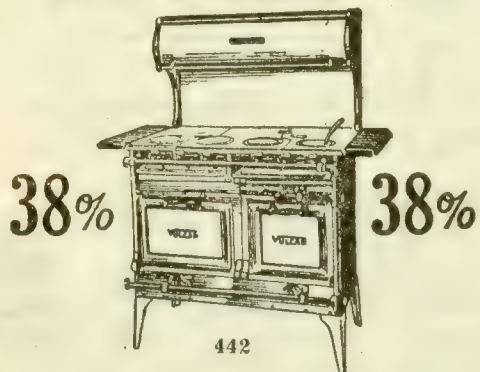
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Swimming Pool, Chestnut Hill, Pa. Architects, Dreher & Churchman, Otis Building, Philadelphia. Owner, C. R. Wainwright, Chestnut Hill, Pa. Grading, excavation, concrete work, manhole, plumbing, spring board, waterproofing. Architects taking bids due as soon as possible.

Swimming Pool, Moyer and Montgomery avenue, Philadelphia. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Department of Public Welfare, Bureau of Recreation, 595 City Hall. Owners taking bids due November 13th.

Apartment House, Thirty-third and Columbia avenue, Philadelphia, \$1,750,000. Architect, Fred N. Greisler, 1035 Walnut street, Philadelphia. Owners, Parkway Apartment Corporation, care of architect. Brick, terra cotta, steel, concrete, 14 stories (400 apartments), 110x170 feet, built-up, tile and composition roof, hardwood, tile and cork tile floor, 4 passenger elevators, 1 freight elevator, stores (12), concrete footings, swimming pool, steam heat, electric light, oil burning, tile and marble work, vault lights, kalamein doors, plate glass, copper bulks, ornamental iron work, incinerator, closet beds, refrigerator, built-in kitchen equipment, travertine wall finish. Plans about completed. Architect will be ready for bids in 3 weeks.

New Store Front (alts. and add.), 5206 Chestnut street, Philadelphia. Architect, Harold Holmes, Detroit, Mich. Owners, S. S. Kresge Co., Detroit, Mich. Cement and concrete, limestone, cut stone, carpentry and mill work, stair work, sheet metal work, plastering, marble and tile work, painting and glazing, electric work, plumbing and steam heat alterations. Architect taking revised bids due as soon as possible.

Galvanizing Building, Sixty-eighth and Glenmore avenue, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, General Electric Co., on premises. Brick, 1 story, 252x28 feet (sprinkler, plumbing, heating and electric separate), slag roof, cement, wood block, painting and glazing, hollow metal sash, galvanized iron skylights, waterproofing and dampproofing. Architects taking bids due November 17th, 3 P. M.

Apartment House, 1106 Walnut street, Phil-

adelphia. Architect, Herman Kline, Bulletin Building, Philadelphia. Owner, name withheld. Brick, cut stone, steel, 10 stories and basement, 21x145 feet, slag roof, oak and pine floors, steam heat, electric light, metal lath, tile work, ornamental iron work. Architect taking bids due November 16th.

Residences (14), Grange avenue, Mascher and Howard streets, \$71,700. Architect, private plans. Owners, Otto H. and William F. Preis, Southwest Corner Fifth and Tabor road, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residence, 4830 North Howard street, Philadelphia, \$3,500. Architect, private plans. Owner, James Daly, 4833 Mascher street, Philadelphia. Brick, 2 stories, 15x35 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Residences (15), 700-28 Kenmore road, Philadelphia, \$106,00. Architect, private plans. Owners, A. E. Perna & Bro., 6413 Vine street, Philadelphia. Brick, 2 stories, (1) 16x42 feet, (14) 15x31 feet, 10x11 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residences (2), Wagner avenue and Clarkson street, Philadelphia, \$16,500. Architect, private plans. Owner, Louis A. Benham, 5231 Chestnut street, Philadelphia. Brick, 2 stories, (13) 30x18 feet, (1) 18x16 feet, 21x14 feet, hardwood and pine floors, hot water heat, electric light. Permit granted.

Store and Residence, 1412 South street, Philadelphia, \$4,500. Architect, private plans. Owner, Louis E. Wiser, Seventh and Spruce streets, Philadelphia. General alterations. Permit granted.

Residence (alts.), 7830-32 Erwig avenue, Philadelphia, \$2,500. Architect, private plans. Owners, Theodore and Paul Maskiewicz, 7810 Erwig avenue, Philadelphia. General alterations. Permit granted.

Residence, East side Rowland avenue, South of Fuller street, Philadelphia, \$4,500. Architect, private plans. Owner, Frank J. Blankenhorn, 8059 Rowland avenue, Philadelphia. Brick, 2 stories, 16x38 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residences (35), Sixty-seventh and Windsor avenue, Philadelphia, \$158,000. Architect, private plans. Owners, Weiner & Pepper, 5318 Berks street, Philadelphia. Brick, (34) 2 stories, 16x33 feet, 12x10 feet, (1) 3 stories, 16x50 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residence, South side Crothers avenue, West of Eighty-sixth street, Philadelphia, \$3,000.

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Architect, private plans. Owner, Oscar Donaldson, 8720 Holstein avenue, Philadelphia. Brick, 2 stories, 16x32 feet, slag roof, pine floors, electric light. Permit granted.

Offices (alts.), 4324 Tackawanna street, Philadelphia, \$3,000. Architect, Samuel D. Milnor, 1117 Foulkrod street, Philadelphia. Owners, Kingsbury Machine Co., 4324 Tackawanna street, Philadelphia. Brick, 1 story add., 16 feet 3 inches x 18 feet. Permit granted.

Junior High School, Seventeenth and Pike streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Low bidders: McCloskey Co., 1620 Thompson street, Philadelphia, \$997,847; Ketcham & McQuade, 1029 Brown street, Philadelphia, \$1,025,000. Heating, John Borden, 637 North Nineteenth street, Philadelphia, \$63,840. Plumbing, S. Faith & Son, Inc., 2427 Pennsylvania avenue, Philadelphia, \$40,743. Ventilating, A. & W. Wegmann, 2813 West Fletcher street, Philadelphia, \$7,933. Electric, Walker & Kepler, 531 Chestnut street, Philadelphia, \$38,281.

Mill Building, Sedgley avenue and L street, Philadelphia. Architect, Hugh A. Hamilton, Greene and Chelton avenues, Philadelphia. Owners, Spuntex Knitting Mill, P. Pleet and H. L. Cooper, care of Franklin Hosiery Co.,

on premises. Low bidder, William Steele & Son, 219 North Broad street, Philadelphia.

Main Sewer, Forty-third and Spruce streets, Philadelphia. Owners, City of Philadelphia, Department of Public Works, Bureau of Highways. Low bidder, J. Joseph McHugh, 1617 Race street, Philadelphia, \$21,830.

Residences (40), Frankford avenue, Pike and Jasper streets, Philadelphia, \$124,000. Architect, private plans. Owner, N. Epstein, 247 East Loudon street, Philadelphia. Brick, 2 stories, various sizes, slag roof, pine floors, hot water heat, electric light. Permit granted.

Garage, 1124-26 Girard avenue, Philadelphia, \$26,000. Architect, private plans. Owner, A. Brown, 145 Fairmount avenue, Philadelphia. Brick, 1 story, 43x71 feet, 60x116 feet, slag roof, cement floors, electric lighting. Permit granted.

Apartment House (alts.), West side Forty-eighth street, North of Chester avenue, \$11,000. Architect, private plans. Owner, Louis E. Faulkner, 4245 Ludlow street, Philadelphia. General alterations. Permit granted.

Residence, Northwest Corner Northumberland and St. Vincent streets, \$6,000. Architect, private plans. Owner, A. W. McKinley, 7134 Tabo road, Philadelphia. Frame, 2 stories, 24x38 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Manufacturing Building (add.), 245 West Wyoming avenue, Philadelphia, \$17,000. Architect, private plans. Owners, Dobson Mills Co., on premises. Brick, second story addition, 50x125 feet. Contract awarded to A. Earl Barnes & Co., 2044 East Clementine street.

Coal Pockets, S. E. Cor. Fiftieth and Springfield avenue, \$10,500. Architect, private plans. Owner, W. M. Chambers, on premises. Contract awarded to Specialty Eng. Co., Allegheny and Trenton avenues.

Storage Building, N. E. Cor. Front and Olney avenue, Philadelphia, \$9,000. Architect, private plans. Owners, Heintz Manufacturing Co., on premises. Iron, one story, 30x120 feet. Contract awarded to Robinson Iron & Steel Co., Parker and Umbria streets, Philadelphia.

Residences and Stores (3), east side of Castor Road, south of Rhawn street, \$6,000 each. Architect, private plans. Owner, J. F. Burkhardt, Castor avenue and Rhawn street, Philadelphia. Brick, two stories, 17x30 feet, 14x25 feet, hot water heat, electric light, hardwood and pine floors. Contract awarded to C. M. Sinn, 201 Robat street, Philadelphia.

Residence, north side of Griffith street, east of Frontenac street, \$5,000. Architect, private plans. Owner, J. F. Burkhardt, Castor Road and Rhawn street, Philadelphia. Frame, two stories, 25x36 feet, shingle roof, hardwood and pine floors, electric light. Contract awarded to C. M. Sinn, 201 Robat street, Philadelphia.

Residence (add.), 1325 West Somerset St., Philadelphia, \$2,000. Architect, private plans. Owner, Thomas Beale, 1325 West Somerset street, Philadelphia. Brick, two-story addi-

tion, 15x9 feet. Contract awarded to S. J. MacMaster, 1315 West Somerset street, Philadelphia.

Girls' Catholic High School, Forty-fifth and Chestnut streets, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, Catholic Girls' High School, care of D. Cardinal Dougherty, Eighteenth and Race streets, Philadelphia. Brick, reinforced concrete, steel, 3 stories and basement, 215x188 feet, bond, shoring, concrete and ce-

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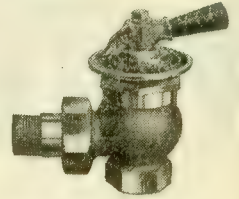
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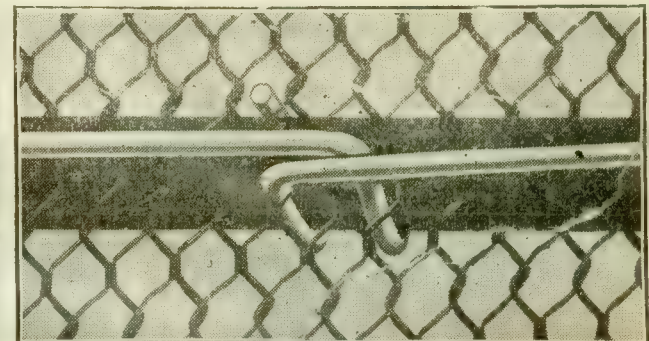
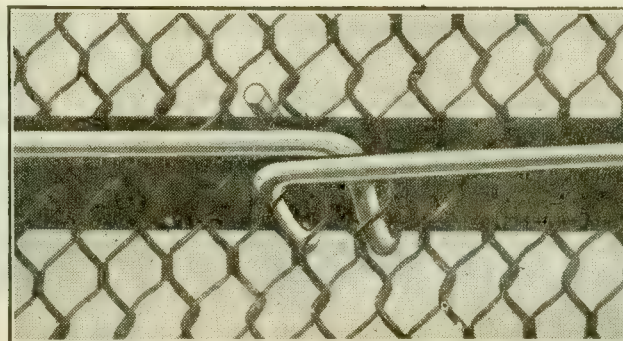
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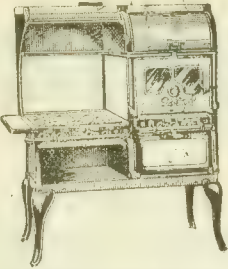
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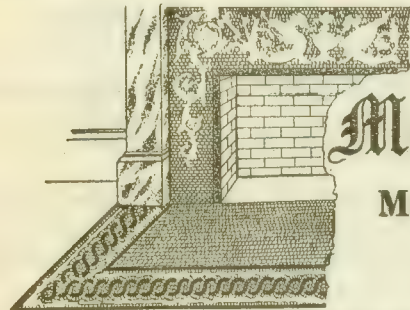


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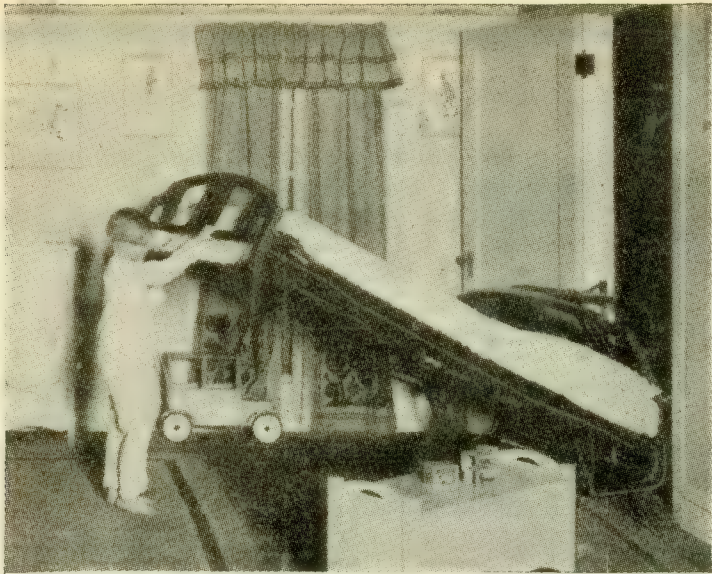
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Nurses' Home, Sixteenth and Girard avenue, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Joseph's Hospital, on premises. Brick, concrete, steel, granite, 5 stories and basement, 171x61 feet, prom. tile asbestos built-up roof, cement and pine floors, metal lath, marble work, hollow steel sash, kalamein doors, hollow metal doors, 100 per cent. bond, iron stairs, ornamental iron work, integral waterproofing, tile coping, mackite partitions, incinerator, iron ladder, travertine work, shoring, metal weather stripping, painting and

glazing, cement and pine floors. Contract awarded John B. Kelly, 2315 Walnut street, Philadelphia.

Residence and Garage, Bustleton Pike, North of Boulevard, Philadelphia. Architect, Samuel D. Milner, 1117 Foulkrod street, Philadelphia. Owner, Harry Holden, 4830 Frankford avenue, Philadelphia. Stone, concrete, 2½ stories, 27x41 feet, 1 story, 18x22 feet, red slate roof, hardwood and cement floors, hot air heat, electric light, tile and marble work. Contract awarded George Brossley, 1328 Foulkrod street, Philadelphia.

Building, 3456-58 Ludlow street, Philadelphia. Architect, Clarence Wunder, 1520 Locust street, Philadelphia. Owners, Philadelphia Engr. & Mach. Co., 1130 Race street, Philadelphia. Brick, steel, 1 story and basement, 50x198 feet, slag roof, cement floors, rolled steel sash, ornamental iron work. Contract awarded N. De Vere Henwood, 717 South Sixty-third street, Philadelphia.

Bank Building (alts. and add.), Fifty-second and Walnut streets, Philadelphia. Architect, private plans. Owners, Manufacturers' Title & Trust Co., care of builders. Brick, concrete, steel, steam heat, electric light, painting and glazing, plastering, carpentry and mill work. Contract awarded William Steele & Son, 219 North Broad street, Philadelphia.

Manufacturing Building (alts. and add.), Twenty-second and Lehigh avenue, Philadelphia. Owners, Quaker Hosiery Co., on premises. Brick work, carpentry and mill work, plastering, painting and glazing, heating and lighting alterations. Contract awarded William Steele & Son, 219 North Broad street, Philadelphia.

Mill Building, B and Wyoming avenue, Philadelphia. Architect, private plans. Owners, Oliver Knitting Mills, Hancock and Allegheny avenue, Philadelphia. Brick, concrete, steel, 3 stories and basement, 90x120 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash, ornamental iron work. Contract awarded William Steele & Son, 219 North Broad street, Philadelphia.

Book Store, 9 South Ninth street, Philadelphia. Owners, Leary's Book Store, on premises. Plans in progress. Too early for details. Contract awarded William Steele & Son, 219 North Broad street, Philadelphia.

Residence (alts. and add.), City avenue and Overbrook avenue, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owner, Walter J. Johnson, Esq., President, Philadelphia Electric Co., Tenth and Chestnut streets, Philadelphia. Carpentry and mill work, cement work, demolition, hardware, painting and glazing, plastering, stone work, tile work, flagstone, iron work, copper roof, shingle roof, oak floors. Contract

awarded John N. Gill Const. Co., City Center Building, Philadelphia.

Residence and Garage, Chestnut avenue, Chestnut Hill, Pa. Architects, Dreher & Churchman, Otis Building, Philadelphia. Owner, Clement R. Wainwright, Chestnut Hill, Pa. Stone, 2½ stories, 150x75 feet, outdoor swimming pool and bath house, slate roof, hardwood floors, concrete work, vapor heat, electric light, tile and marble work. Contract awarded F. G. Stewart, 1520 Locust street, Philadelphia.

Lodge Building, 1317-19 North Broad street, Philadelphia. Architect, Herman Miller, Crozer Building, Philadelphia. Owners, P. O. S. of A., care of H. V. McFayden, on premises. Brick, granite, steel, 4 stories, 40x160 feet, slag roof, hardwood and cement floors, electric elevators, steam heat, electric light, tile and marble work, mosaic and bronze work. Contract awarded F. G. Stewart, 1520 Locust street, Philadelphia.

Rooming House, Northeast Corner Tenth and Pine streets, Philadelphia. Architect, Edwin L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, Harry J. Bogash, Bankers' Trust Building, Philadelphia. Brick, limestone, 4 stories, 35x160 feet (60 rooms), slag roof, pine floors, electric light, steam heat, electric elevators, tile and marble work. Contract awarded Golder Const. Co., 263 South Fifteenth street, Philadelphia.

Store, Apartment and Office (alts. and add.), 5445 Germantown avenue, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, name withheld. Structural steel, iron work, carpentry and mill work, slag roof, hardware, plastering, metal lath, painting and glazing, electric work, plumbing. Contract awarded J. S. Roystone, 705 East Girard avenue, Philadelphia.

Residence, Sprague and Gallen avenue, Mt. Airy, Pa. Architect, Jesse T. Hoekstra, 1713 Sansom street, Philadelphia. Owner, James B. Hartzell, on premises. Stone, 3 stories, 22x47 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Contract awarded J. Riley & Son, Forrest avenue, Mt. Airy, Philadelphia.

Shop, 1534-36 Winter street, Philadelphia, \$8,000. Architect, private plans. Owner, Charles H. Baruch, 1530 Vine street, Philadelphia. Brick, 2 stories, 30x65 feet 11 inches, steam heat, electric light, slag roof, pine floors. Contract awarded to Harry Walters, 412 North Fortieth street, Philadelphia.

Residence, 3521 Howell street, Philadelphia, \$5,000. Architect, private plans. Owner, Carl Eisele, 3522 Howell street, Philadelphia. Brick, 2 stories, 16x40 feet, 16x10 feet, slag roof, hot water heat, electric light. Contract awarded to Jacob Gaertner, 8315 Pine road, Philadelphia.

Garage (alts.), Northwest Corner Cherry and Croskey streets, Philadelphia, \$2,500. Architect, private plans. Owners, S. J. Cresswell Iron Works, Twenty-third and Cherry streets, Philadelphia. General alterations. Contract awarded to Mitchell Brothers, 2125 Race street, Philadelphia.

Garage, 235 Washington avenue, Philadelphia, \$5,000. Architect, private plans. Owners, Methodist Episcopal Home, on premises. Brick, 1 story, 16 feet 3 inches x 103 feet, slag roof, cement floors. Contract awarded to H. F. Dinkelacker, Ruan and Leiper streets, Philadelphia.

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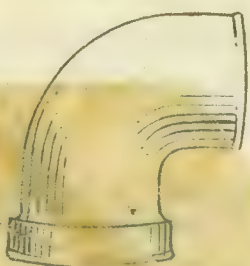
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Building (add. and alts.), Southwest Corner Mervine and Berks streets, \$3,000. Architect, private plans. Owner, Mitchell Shapiro, 5008 North Eighth street, Philadelphia. Brick, 1 story add., 10x60 feet, general alterations. Contract awarded to Morris Shapiro, 5103 Folsom street, Philadelphia.

Apartment Building, Southeast Corner Thompson and Warnock streets, Philadelphia. Architect, private plans. Owner, E. W. Johnson, 1302 North Twelfth street, Philadelphia. Brick, 3 stories, 31x32 feet, slag roof, hot water heat, electric light. Contract awarded to Frank I. Wintz, Inc., 1618 North Twenty-seventh street, Philadelphia.

Residence (moving), 3428-30 Disston street, Philadelphia, \$10,000. Owner, William K. De Victor, 818 Real Estate Trust Building, Philadelphia. Moving to new location, same lot. Contract awarded to Christian Dear & Sons, 2227 Roosevelt Boulevard.

Warehouse (alts.), 509 Locust street, Philadelphia, \$5,200. Architect, private plans. Owners, United States Rubber Co., Northwest Corner Fifth and Locust streets, Philadelphia. General interior alterations. Contract awarded to Robbins Cont. Co., 1137 North Front street, Philadelphia.

Office and Cafeteria (alts.), 657-59-61 North Fifteenth street, \$4,500. Architect, private plans. Owner, E. L. Mansure, 1415 North street, Philadelphia. General alterations. Contract awarded to A. G. Ruff, 928 Presser Building, Philadelphia.

Store and Residence (alts.), 2537 South Broad street, Philadelphia, \$2,500. Architect, private plans. Owner, M. Chipin, 2905 South Broad street, Philadelphia. General alterations. Contract awarded to A. Barsky, Sixth and Pine streets, Philadelphia.

Garage, 3435 to 45 Bowman street, Philadelphia, \$55,000. Architect, private plans. Owner, V. R. White, 4723 Conshohocken avenue, Philadelphia. Brick, 1 story, 100x150 feet, slag roof, cement floors. Contract awarded to J. P. Tyrrell, 6144 McCallum street, Philadelphia.

Residences (2), North side Dearnley avenue, West of Ridge avenue, \$13,000. Architect, private plans. Owner, Wallace G. Frey, 7600 Ridge avenue, Philadelphia. Brick, 2 stories, 16x34 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Adam Wilkinson, 439 Harmon road, Philadelphia.

Work Shop (add. and alts.), 3101-03 Germantown avenue, \$5,800. Architect, private plans. Owner, Harry Simond, 3101 Germantown avenue, Philadelphia. Brick, 1 story, 22x15 feet, third story, 21x26 feet, general alterations. Contract awarded to William Gilchrist, 3516 B street, Philadelphia.

Residence, 1325 South Warnock street, Philadelphia, \$4,900. Architect, private plans. Owner, James J. Donahue, 1323 South Warnock street, Philadelphia. Brick, 2 stories, 16x43 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Anthony Weiss, 17 North Paxon street, Philadelphia.

Manufacturing Building (alts.), Northeast Corner Orthodox and Large streets, \$2,500. Architect, private plans. Owners, Prudential Worsted Co., on premises. General alterations. Contract awarded to F. Crompton & Bro., 4614 Oakland street, Philadelphia.

Garage, 6411 Drexel road, Philadelphia, \$2,400. Architect, private plans. Owner, David Wainwright, on premises. Brick, 1 story, 22x24 feet, slag roof, cement floors, electric work. Contract awarded to John P. Kearney, 6731 Haverford avenue, Philadelphia.

Store and Residence (alts.), 701 North Third street, Philadelphia, \$2,200. Architect, private plans. Owner, Mark Sovira, 153 Laurel street, Philadelphia. General alterations. Contract awarded to John Wendorff, 3932

Parrish street, Philadelphia.

Manufacturing Building, Northeast Corner Tacony and Sanger streets, \$45,000. Architect, private plans. Owners, Philadelphia Shovel Co., Tacony and Sanger streets, Philadelphia. Brick, 1 story, 55x130 feet, steam heat, electric light, cement work, pine floors. Contract awarded to W. W. Lindsay, Harrison Building, Philadelphia.

Shed (alts.), Southwest Corner Park avenue and Fitzwater street, \$6,000. Architect, private plans. Owners, Penn Beverage Co., Clarion and Fitzwater streets, Philadelphia. General alterations. Contract awarded to E. E. Hollenback, Inc., 1804 Brandywine street.

Store and Residence, Southeast Corner Second and Morris streets, Philadelphia, \$6,000. Architect, private plans. Owner, Joseph Svends, 3502 Wharton street, Philadelphia. Brick, 2 stories add., 16x14 feet, general alterations. Contract awarded to Hyman Shumsky, 1310 South Second street, Philadelphia.

Garage, 6907 Boyer street, Philadelphia, \$2,000. Architect, private plans. Owner, John

Williams, Jr., on premises. Brick, 1 story, 22x23 feet, slag roof, cement floors. Contract awarded to W. H. Megargee, 124 East Gorgas Lane, Philadelphia.

Paving, Philadelphia. Owners, Department of Public Works, Bureau of Highways, 232 City Hall. Contracts awarded: Rising Sun, Norwood to Cottman; Batson Const. Co., 1713 Sansom street, Philadelphia, \$64,000. Crittenden, Mt. Airy avenue to Gallen street; Mack Paving & Const. Co., Nicetown Lane and C street, \$17,400. Clearview, Johnston to Cividin; Mack Paving & Const. Co., Nicetown Lane and C street, \$76,000. Wellesley Road, Emlen to Jefferson; Mack Paving & Const. Co., Nicetown Lane and C street, \$6,450. Branch sewers—Seventy-fifth, Buist to Wheeler, Sareo Const. & Bldg. Co., 1213 Snyder avenue, Philadelphia, \$16,500; Kendrick street, Frankford to Hegerman, Curtis Brothers, State Road, Philadelphia, \$6,100; Decatur Road, North from Red Lion, Benjamin Foster, Twentieth and Venango streets, Philadelphia, \$10,000.

PENNSYLVANIA

Construction News

Residences (3), Elkins Park, Pa. Architects, Talheimer & Weiss, 10 South Eighteenth street, Philadelphia. Owner, J. Edmund Enick, Widener Building, Philadelphia. Stone, 2½ stories. Plans in progress.

Residence, Llanerch Estate, Llanerch, Pa. Architects, J. B. Stetler & H. M. Deysher, Jefferson Building, Philadelphia. Owner, William Manly, Fifty-ninth and Cedar avenue, Philadelphia. Frame, 2½ stories, 22x30 feet, hot water heat, electric light, tile work, shingle roof. Plans about completed. Owner will take bids in one week.

Residence, Richland, Llanerch, Pa. Architects, J. L. Stetler & H. M. Deysher, Jefferson Building, Philadelphia. Owner, Harry S. Miller, 1482 North Fifty-second street, Philadelphia. Brick, 2½ stories, 26x35 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Owner taking sub-bids.

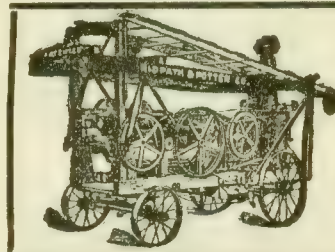
Residence, Chestnut Hill, Pa. Architect, Robeson Lea Perot, 137 Harvey street, Philadelphia. Owner, Miss Frances Richardson, Chestnut Hill, Pa. Cement block and stucco, 2½ stories, 60x70 feet, shingle roof, oak and pine floors, hot water heat, electric light,

tile work. Architect taking bids, due as soon as possible.

Factory, Shillington, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owners, Fedden Brothers, 4283 Park avenue, New York City. Fireproof, 1 story and basement, 95x160 feet, saw-tooth construction. Preliminary plans in progress.

Twin Residence, Reading, Pa. Architect, H. G. Mohr, Church and Walnut streets, Mohn-ton, Pa. Owner, Edward Mande, care of architect. Brick, 2½ stories, 16x46 feet, slate roof, hardwood floors, hot water heat, electric light. Plans in progress.

Parish House (alts. and add.), Palmyra, Pa. Architect, F. G. Fahnestock, Patriot Building, Harrisburg, Pa. Owners, Lutheran Church,



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Philade

Rev. Billmeyer, Palmyra, Pa. Brick, 2 stories, 28x36 feet, slate roof. Plans in progress.

Church, Parker and Clifton avenues, Collingdale, Pa. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owners, Trinity Protestant Episcopal Church, Rev. Henry Davies, Collingdale, Pa. Stone, 1 story and basement. Plans in progress.

Residence and Garage, Blancoyd and Grey Stone Roads, Merion, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, Henry R. Hollowell, Broad below Chestnut streets, Philadelphia. Brick, 2½ stories, 40x107 feet, 1½ stories, 20x25 feet, slag roof, hardwood and tile floors, electric light, tile work. Plans about completed. About ready for bids.

Plant, Perkasio, Pa. Architect, private plans. Owners, Lansdale Ice & Storage Co., South Broad street, Lansdale. Brick, 1 story. Work contemplated. Owners will build in 1926.

Stores and Apartments (alts.), Bustleton and Somerton, Pa. Architect, Christian H. Fries, Drexel Building, Philadelphia. Owner, name withheld. Stone, steel, 2½ stories, 66x66 feet, slate roof, composition and oak floors, plumbing, plastering, hot water heat, electric light, metal lath, tile work, ornamental iron work. Plans in progress. Ready for bids in a month.

Library (alts.), Bethlehem, Pa., \$12,000. Architect, C. M. Lovelace, Bethlehem Trust Building, Bethlehem, Pa. Owners, Bethlehem Public Library, care of Miss Root, Main and Market streets, Bethlehem, Pa. General alterations, new stairs, steel shelving, linoleum. Owners will be ready for bids in a few days.

High School, Hazleton, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Hazleton School Board, D. T. Evans, secretary, Hazleton, Pa. Brick, fireproof, 2 stories and basement, 318x300 feet, composition roof, maple, composition and tile floors, hollow tile, safety treads, roof ventilators, metal weather strip, dampproofing, ornamental iron, iron stairs, bond, kalamein doors, tile work, metal lath (heating, plumbing and electric separate bids). Owners will be ready for bids in a few days.

Residence (alts.), Merion, Pa. Architect, W. Woodburn Potter, Real Estate Trust Building, Philadelphia. Owner, E. C. Deardon, on premises. General alterations. Plans in progress. Will be ready for bids in a few days.

Warehouse, Red Lion, Pa. Architect, H. R. Lenker, 142 East Philadelphia street, York, Pa. Owner, Charles S. Rast, Red Lion, Pa. Brick, 6 stories, 90x120 feet. Plans in progress.

Store Building, Lancaster, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owner, A. S. Groff, 111 East King street, Lancaster, Pa. Brick, steel, 2 stories, 30x180 feet, slag roof, hardwood floors, hollow tile, plate glass, steam heat, electric light. Plans in progress.

Residence, Pottsville, Pa. Architect, C. J. Young, 226 North Sixth street, Reading, Pa. Owner, Charles L. Moyer, 7 South Jackson street, Pottsville, Pa. Brick, frame, 2 stories, 25x35 feet, asbestos shingle roof, hardwood floors, electric light. Owner will build.

Residence, Eckert street, Reading, Pa. Architect, Mohn, Church and Walnut streets, Reading, Pa. Owner, Charles Schleicher, 2250 Perkiomen avenue, Reading, Pa. Brick, slate roof, hardwood floors, tile work. Owner will build.

hot water heat, electric light, tile work. Plans in progress. Owner will build.

High School, York, Pa. Architect, John B. Hamme, City Bank Building, York, Pa. Owners, Board of School Directors, School District of City of York, D. N. Crider, secretary, Central School Building, West King street and Cherry Alley, York, Pa. Bond. Owners taking bids on heating and ventilating and electrical work due November 20th at 1 P. M. Deposit of \$50 required, \$35 refunded.

Store Building, Allentown, Pa. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owner, James K. Bowen, Allentown, Pa. Brick, cut stone, concrete, steel, 2 stories, mezzanine and basement, 90x46 feet, Barrett Specification roof, cement and composition floors, hollow tile elevators, plumbing, shoring, integral waterproofing, steam heat, electric light, metal lath, terrazzo work, rolled steel sash, hollow metal skylights, hollow metal doors, bond, floor hardener, iron stairs, ornamental iron work. Architects taking bids due November 14th.

Residence and Garage, Noble Vista, Pa. Architect, A. C. Borzner, 721 Walnut street, Philadelphia. Owner, Hugh Eby, 4710 Stenton avenue, Philadelphia. Stone, 2½ stories and basement, 22x45 feet, wing 15x20 feet, slate roof, oak and pine floors, tile work, ornamental iron work. Architect taking bids.

Garage, Villa Nova, Pa. Architects, McIlvaine & Roberts, Otis Building, Philadelphia. Owners, McIlvaine & Roberts, Otis Building, Philadelphia. Stone, 2 stories, 24x21 feet, slate roof, cement floors, vapor heat, electric light. Architects taking bids due as soon as possible.

Store and Apartment, Conestoga and Garrett Road, Rosemont, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Fred Riegner, Bryn Mawr, Pa. Stone, brick, stucco, 2½ stories, 18x80 feet, hot water heat, electric light, tile work, slate roof, hardwood floors, flush bulks. E. E. Cullen, 1524 Chestnut street, Philadelphia, taking general bids.

Club House, Marple, Springfield Township, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Roll-

ing Green Golf Course, Chester, Pa. Brick, hollow tile, stucco, stone, 2 stories, 1 story and basement, 168x40 feet, two buildings, 23x40 feet, 1 story, variegated slate and shingle roof, pine and cement floors, plumbing, electric light, metal lath, tile work, ornamental iron work, caulking, everlasting floors, cut stone, flagstone, wrought iron pipe. Lowest bidder, William Provost, Jr., of Chester, is taking revised sub-bids.

Residence, Swarthmore, Pa. Architect, J. Warren Neff, 219 North Broad street, Philadelphia. Owner, F. Herbert Evans, on premises. Concrete block and stucco, 2½ stories and basement, 26x36 feet, shingle roof, oak and pine floors, hot water heat, electric light, ornamental iron work. Architect taking bids due as soon as possible.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Low bidders:

Venango-Crawford Counties, R-89, A-3679-3710, Oil Creek Township, 18,922 feet. One course reinforced concrete. H. E. Bunce, Olean, N. Y., \$90,929.29, \$118,483.99.

Lycoming County, A-3603, Picture Rocks Borough, 1,411 feet. One course reinforced concrete. Winston & Co., Harrisburg, Pa., \$12,822.50.

Crawford County, R-82, West Fallowfield Township, 1,090 feet. Grading and drainage. O. B. Braecht, Titusville, Pa., \$17,725.31.

Westmoreland County, A-3632, Unity Township, 11,785 feet. One course reinforced concrete. Thomas Cronin Co., Pittsburgh, Pa., \$93,177.59.

Bradford County, R-241, Sec. 3, 29,827 feet, Standing Stone and Wysox Townships. One course reinforced concrete. Bryant & Kohl, Wilkes-Barre, Pa., \$354,094.50.

Westmoreland County, A-3592-3633, Unity Township, 10,102 feet. One course reinforced concrete. Thomas Cronin Co., Pittsburgh, Pa., \$67,552.75.

Washington County, R-268, S-9, East Pike Run Township, 1,820 feet. One course reinforced concrete. T. W. Munro Const. Co., Tarentum, Pa., \$30,725.95.

PENNSYLVANIA

Contracts Awarded

Residence and Garage, Ithan, Pa. Architects, McIlvaine & Roberts, Otis Building, Philadelphia. Owner, Noah H. Swayne, Ithan, Pa. Concrete block and stucco, 2½ stories and basement, garage, 61x30 feet, residence, 81x30 feet, slate, slag and shingle roof, cement, oak and pine floors, plumbing, hot water heat, electric light, metal lath, tile work, bond, ornamental iron work, septic tank, metal corner beads, flagstone. Contract awarded Metzger, Fisher & White, Otis Building, Philadelphia.

Boiler Plant, Norristown, Pa. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Norristown Woolen Mills, Norristown, Pa. Brick, steel, 1 story, 26x38 feet, asphalt gypsum roof, cement floors, painting and glazing, plumbing, hollow metal sash, bond, ornamental iron work. Contract awarded Frank Schuler, Norristown, Pa.

Garage, Drexel Hill, Pa. Architects, MacKenzie & Wiley, Bankers' Trust Building, Philadelphia. Owner, name withheld. Brick, 2 stories, 55x90 feet, slag roof, cement floors, concrete work, electric light. Contract awarded George P. Gehring, 5735 Warrington avenue, Philadelphia.

Trainer's House, Whitmarsh, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, George D. Widener,

Whitmarsh, Pa. Stone, 2 stories, 87x31 feet, slate roof, oak and pine floors, hot water heat, electric light, metal lath, ornamental iron work. Contract awarded D. W. Sperry, Jefferson Building, Philadelphia.

School, Annville, Pa. Architect, E. Z. Scholl, 136 Robeson street, Reading, Pa. Owners, Annville School Board, care of architect. Stone, steel, 2 stories, 150x40 feet, slag roof, wood floors, roof ventilators, safety treads, ornamental iron, iron stairs, fire doors, skylights, tile work, metal lath (heating, plumbing and electrical work separate). Contract awarded to Saylor & Son, Annville, Pa.

Residence, Reading, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owners, C. Evans' Cemetery, Reading, Pa. Brick, 2 stories, 24x35 feet, slate roof, oak floors, hot water heat (plumbing, heating and electrical work reserved). Contract awarded to Charles H. Schlegel, 2250 Perkiomen avenue, Reading, Pa.

School Building (add.), Wilkes-Barre, Pa., \$22,000. Architect, J. A. McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owners, Wilkes-Barre Township School District, John J. Kerrigan, secretary, 641 East Northampton street, Wilkes-Barre, Pa. Brick and hollow tile, 2 stories add., 31x27 feet. Contract awarded to Alaimo Brothers, Newrose Build-

ing, Pittston, Pa. Heating, R. A. Curley, 698 Hazel street, Wilkes-Barre, Pa. Electrical, Thomas Syron, 196 Scott street, Wilkes-Barre, Pa.

Normal School (alts.), Bloomsburg, Pa., \$25,000. Architects, M. E. Kressley Co., Commonwealth Building, Harrisburg. Owners, Bloomsburg State Normal School, Bloomsburg, Pa. General alterations, steam heat, electric light, metal lath, kalamein doors, store fixtures, bond, iron stairs, ornamental iron work, waterproofing, elevators, ventilators, hollow tile, composition roof, composition and mastic floors. Contract awarded to W. H. Cramer Const. Co., Emporium, Pa.

Residence (alts. and add.), Bethlehem Pike, Pa. Architect, Edward F. Hoffman, Jr., 315 South Fifteenth street, Philadelphia. Owner, Mrs. William Redwood Wright, on premises. Cinder block, cut stone, 1 story, 16x19 feet (plumbing, heating, electric reserved), shingle roof, pine floors, painting and glazing, tile work, ornamental iron work, flagstone, carpentry and mill work, linotile floors. Contract awarded Howard S. Amey, 532 Butler street, Philadelphia.

Residence, Shamokin, Pa. Architects, Muhlberg Brothers, Thompson Building, Pottsville, Pa., and Reading, Pa. Owner, H. K. Leader, Shamokin, Pa. Brick, 2½ stories, 48x48 feet, slate roof, hardwood floors, tile work (heating, plumbing and electrical work reserved). Contract awarded to Samuel Bilger, Shamokin, Pa.

Residences and Garages (C and D), Bryn Mawr, Pa. Architect, Francis E. Morewood, Bryn Mawr, Pa. Owners, Dolman & Co., Liberty Building, Philadelphia. Cinder block, stucco, stone, 2½ stories, 49x33 feet, garage, 21x18 feet, shingle roof, oak, pine and cement floors, plumbing, vapor heat, electric light, metal lath, tile work, bond, ornamental iron work, integral waterproofing, metal casements. Contract awarded Metzger, Fisher & White, Otis Building, Philadelphia.

Residence (alts. and add.), Bryn Mawr, Pa. Architect, R. Brognard Okie, 208 South Smedley street, Philadelphia. Owner, Dr. George W. Norris, on premises. Stone work, bluestone

or flagstone, cement and concrete, brick work, carpentry and mill work, maple and pine floors, plastering, metal lath, black slate roof, canvas floors, painting and glazing, iron work, hot air heat, electric wiring (plumbing reserved). Contract awarded M. N. Croll, Radnor, Pa.

Farm Buildings, near Broad Axe, Pa. Architect, R. Brognard Okie, 308 South Smedley street, Philadelphia. Owner, N. H. Seabreeze, Broad Axe, Pa. Frame, 1 story. Contract awarded Melvin H. Grebe, 5 East Highland avenue, Chestnut Hill.

John S. Sells Memorial Chapel, Elizabethtown, Pa. Architect, Edgar A. Wightman, Bankers' Trust Building, Philadelphia. Owners, Masonic Homes, Elizabethtown, Pa. Stone (Holmesburg granite), steel, cut stone, 1 story and 2 stories and basement, 88x52 feet, variegated slate roof, cement and maple floors, painting, Truseon waterproofing, ornamental iron work, floor hardener, bond, rolled steel sash, tile work, metal lath, reinforced concrete (Holmesburg granite, plumbing, heating, electric light, glazing, chimes, organ and seating reserved). Contract awarded Curtis Grindrod Co., 10 South Eighteenth street, Philadelphia.

Gymnasium, Scotland, Pa. Architect, R. A. Stair, Guardian Trust Building, York, Pa. Owners, Pennsylvania Soldiers' Orphans' Home, T. B. Wood, Scotland, Pa. 1 story, 36x121 feet, composition roof, electric light. Contract awarded to Charles Cump, Chambersburg, Pa.

Rockdale Bridge, No. 8, over Chester Creek. Architect, S. C. Hollister, Media, Pa. Owners, County Commissioners, G. T. Wades, Media, Pa. 2 span reinforced concrete arch bridge, approximately 329 feet long, to replace present steel bridge. Contract awarded D. B. Hoover, Pottstown, Pa., \$29,990.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Sullivan County, R-17, Sec. 7, Laporte Township, Cherry Township and DuShore Borough, 32,235 feet. \$337,949.00. Contract awarded to United Const. Co., Lock Haven, Pa.

24x35 feet, slate coated shingle roof, warm air heat, electric light, pine floors. Permit granted.

Manufacturing Building, Gloucester, N. J. Architect, Clarence Wunder, 1520 Locust street, Philadelphia. Owners, Forrest Mercery Co., on premises. Brick, steel, 2 stories and 1 story and basement, 100x33 feet, wing 34x33 feet, electric light, slag roof, pine floors, cement floors, ornamental iron work. Architect taking bids due November 12th.

New Jersey Contracts Awarded

Store, Trenton, N. J. Architects, Klemann & Kaplan, First National Bank Building, Trenton, N. J. Owners, Traver's Book Store, 108 South Broad street, Trenton, N. J. Non-fireproof, brick, steel, limestone, 3 stories and basement, 28x130 feet, slag roof, maple floors, hollow tile, elevators, roof ventilators, fire doors, steel sash and skylights, tile and marble, metal lath, Warren Webster heat, electric light. Contract awarded to Harrison & Fisher, 242 Cuyler avenue, Trenton.

Store and Residence, 1626-28 Louis street, Camden, N. J., \$14,000. Architect, A. B. Gill, 3228 Market street, Camden, N. J. Owner, M. J. Lawnicki, Camden, N. J. Brick, 2 stories, 16x62 feet and 14x62 feet, slag roof, hot water heating, electric lighting. Contract awarded to Adam Kempa, 1634 Pulaski street, Camden, N. J.

Residence, 1201 North Thirty-third street, Camden, N. J., \$3,200. Architect, private plans. Owner, D. F. Harrigan, Camden, N. J. Frame, 1 story, 32x24 feet, asphalt shingle roof, pine floors, warm air heat, electric light. Contract awarded to C. W. Erichsen, Woodbury, N. J.

Residence, 1071 Bergen avenue, Camden, N. J., \$3,000. Architect, private plans. Owner, David Cole, 624 North Seventh street, Camden, N. J. Frame, 1 story, 22x34 feet, slate

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NEW JERSEY Construction News

Community Development, Pinewald, Ocean County, N. J. Architect, private plans. Owners, B. W. Sangor & Co., 1612 Market street, Philadelphia. Consists of hotel, 500 rooms, hotel, 300 rooms, apartment house, club house, golf course and miscellaneous development. Plans in progress.

School (add.), Brooklawn, Camden County, N. J. Architects, Herbert O. and C. A. Ziegler, 1012 Walnut street, Philadelphia. Owners, School Board of Brooklawn, R. K. George, president, Brooklawn, N. J. Brick, 8-room addition. Plans in progress.

Theatre and Store, High Bridge, N. J. Architect, R. A. Schumann, 202 West State street, Trenton, N. J. Owner, H. P. Snyder, High Bridge, N. J. Brick, hollow tile and steel, 1 and 2 stories, 42x120 feet, slag roof, composition floors, roof ventilators, ornamental iron work, kalamein doors, tile and marble, steam heat, electric light. Plans in progress.

Residence, Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton. Owner, Louis Winkler, 250 Highland avenue, Trenton, N. J. Brick, 1½ stories, 30x50 feet, slate roof, hardwood floors, tile work (heating, plumbing and electric work reserved). Revised plans in progress.

Gymnasium, May's Landing, N. J., \$100,000. Owners, Underhill Memorial, care of Board of

Education, May's Landing, N. J. Work contemplated.

Church, Croton, N. J. Architect, R. A. Schumann, 202 West State street, Trenton, N. J. Owners, Mission Chapel, Rev. E. C. Menyon, Flemington, N. J. Stone, 1 story and basement, 30x56 feet, slate roof, hardwood floors, hot air heat, electric light, tile work. Architect taking bids due November 13th.

School, Carney's Point, N. J. Architect, Charles R. Peddle, 149 South Fourth street, Philadelphia. Owners, Upper Penn's Neck Township School Board, Carney's Point, N. J. Brick, steel, 1 story, 60x120 feet, slag roof, maple floors. Owners taking bids due November 16th.

Grade School, Mt. Holly, N. J. Architect, Alex. Merchant, 1 Elm avenue, New Brunswick, N. J. Owners, School Board of Mt. Holly, Mt. Holly, N. J. Owners taking bids due November 13th.

Residences (300), Pinewald, Ocean County, N. J. Architect, private plans. Owners, B. W. Sangor Co., 1612 Market street, Philadelphia. Stone, brick, frame and stucco, various sizes. Details undecided. Plans in progress.

Residence, 914 North Thirty-fourth street, Camden, N. J., \$4,000. Architect, private plans. Owners, Cadwallader & Day, 2935 Stevens street, Camden, N. J. Frame, 1 story,

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surface shingle roof, pine floors, pipeless heater, electric light. Contract awarded to Hugo Wevelsburg, 1046 Cooper street, Camden, N. J.

Residences (4), 1018-20-22-24 North Third street, Camden, N. J., \$12,000. **Residences (16)**, 311-41 Byron street, Camden, N. J., \$48,000. Architect, Max A. Bernhardt, 721 Walnut street, Philadelphia. Owners, Bridge Const. Co., Third and Arch streets, Camden, N. J. Brick and block, 22 stories, various sizes, slag roof, pine floors, hot water heat, electric light. Contract awarded to Charles H. Simpson, Berlin, N. J.

Market Building, foot of Kaighn avenue, Camden, N. J., \$20,500. Architect, private plans. Owners, The Terminal Co-operative Co., foot of Kaighn avenue, Camden, N. J. Block, 1 story, 60x123 feet, slag roof, steam heat, electric light. Contract awarded to Hensgen Brothers, 1140 Mechanic street, Camden, N. J.

Building, 1125 Kaighn avenue, Camden, N. J., \$7,000. Architect, private plans. Owners, Reliable Auto Rad. Co., 1125 Kaighn avenue, Camden, N. J. Brick and block, 1 story, 25x76 feet, slag roof, electric light. Contract awarded to Tony Prawdzik, 1213 South Tenth street, Camden.

Delaware Construction News

Stores and Apartments (alts.), Ninth and Tatnall streets, Wilmington. Architect, R. C. Tindall, 914 Orange street, Wilmington, Del. Owners, Mr. Ward, care of architect. Brick, 2 stories, general alterations, plate glass. Plans in progress.

Residences (7), Wilmington, Del. Architect, J. A. McKibbin, Industrial Trust Building, Wilmington, Del. Owner, John J. Monaghan, 832 Orange street, Wilmington, Del. Brick, 2½ stories, 14x45 feet, slag roof, pine floors, hot air or hot water heat, electric light. Owner taking bids.

Residences (30), Fourteenth and Scott streets, Wilmington, Del. Architect, private plans. Owner, W. E. Hendrix, Ford Building,

Wilmington, Del. Brick, 2½ stories, 20x40 feet, slag roof, oak floors, hot air or hot water heat, electric light. Owner will take sub-bids.

Delaware Contracts Awarded

Church (Education Inst.), Richmond Park, Wilmington, Del. Architect, Bureau of Architects, Methodist Episcopal Church, 1701 Arch street, Philadelphia. Owners, Richardson Methodist Episcopal Church, Richmond Park, Wilmington, Del. Stone, 1 story. Contract awarded W. D. Haddock & Co., Wilmington, Del.

Service Station, Twelfth and Market streets, Wilmington, Del., \$29,000. Architect, R. C. Tindall, 914 Orange street, Wilmington, Del. Owners, Jackson Corp., Wilmington, Del. Brick, stone, 1 story, 100x120 feet, slag roof, steam heat, electric light. Contract awarded to J. A. Bader & Co., Lackey Building, Wilmington, Del.

Miscellaneous Construction News

Plant, Parkersburg, West Virginia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Viscose Co., Marcus Hook, Pa. Plans completed. Architects will be ready for general bids in ten days.

Hotel, Lee Highway, Shenandoah National Park, Va. Architect, Henry L. Reinhold, Jr., 1513 Walnut street, Philadelphia. Owners, A. B. Bragg and R. R. Brown, Harrisonburg, Va., and H. K. Read, New York. Hotel, 200 rooms. Plans in progress.

Residence, Winston-Salem, N. C. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, Richard G. Stockton, Winston-Salem, N. C. Brick, 2½ stories, 87x42 feet (plumbing, heating, electric and tile work reserved), slate roof, hardwood floors. Architect taking bids due November 19th.

School, Dormitory Building, Private Chapel and Auditorium, location withheld. Architect, Peter F. Getz, Victory Building, Philadelphia. Owner, name withheld. Brick, stone, 12 class rooms, individual sleeping quarters, chapel and auditorium 500 capacity each. Plans in progress. Too early for details.

Miscellaneous Contracts Awarded

Hotel Florence, Florence, S. C., \$1,000,000. Architect, F. N. Greisler, 1035 Walnut street, Philadelphia. Owners, Florence Hotel Corporation, care of architect. Brick, limestone, steel, concrete, terra cotta, 10 stories and basement, 100 rooms, stores (6), ball room and banquet hall, built-up roof, cork, tile and composition floors, hollow tile, 2 passenger elevators, 1 freight elevator, oil burning, ornamental iron work, fire doors, tile and marble work, metal lath, electric light. Contract awarded P. H. Kelly, 1713 Sansom street, Philadelphia.

Proposals

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., October 23, 1925.—SEALED PROPOSALS will be opened in this office at 3 P. M., November 30, 1925, for construction (except mechanical equipment) of buildings for the

Federal Industrial Institution for Women for the Department of Justice at Alderson, W. Va. Drawings and specifications may be obtained at this office in the discretion of the Supervising Architect. Proposals will be considered only from individuals, firms, or corporations possessing satisfactory financial and technical ability, equipment, and organization to insure speedy completion of the contract, and who have established a record for execution on contracts of similar character and magnitude. The fact that any concern obtains a set of the plans and specifications from any source whatever and submits a bid shall not constitute a waiver of the foregoing stipulations. Jas. A. Wetmore, Acting Supervising Architect.

Sealed and separate bids or proposals will be received by the Board of School Directors of the School District of the City of York, Pennsylvania, for the installation of the electrical work and heating and ventilating of the Senior High School Building to be erected on the plot of ground lying at the northwest corner of West College Avenue and South Beaver street, York, Pa. The proposals must be submitted separately for the Electrical Work, and Heating and Ventilating—all in accordance with plans, drawings and specifications prepared by John B. Hamme, Registered Architect, York, Pa. A certified check equal to 5% or an acceptable Surety Company bond equal to 10% of the aggregate amount of the bid must accompany each proposal to guarantee acceptance of contract if awarded.

An acceptable Surety Company bond equal to the full amount of the contract will be required of the successful bidders.

Plans and specifications may be secured from David N. Crider, Secretary of the Board of Directors, in the Central School Building, corner of West King Street and Cherry Alley, York, Pa. A deposit or certified check for \$50 must accompany applications for each set of the Electrical Work, or Heating and Ventilating plans and specifications, \$35 of which will be returned for each set when plans and specifications are returned accompanied with a bid.

In case no bid is received the entire amount of the deposit or check will be forfeited.

On or about Nov. 9, 1925, plans and specifications will be delivered to persons making application in accordance with the above requirements. Plans and specifications will be on view in the office of John B. Hamme, Registered Architect, Citizens' Savings and Trust Building; in the office of M. O. Lewis, Superintendent of Buildings and Grounds, in the Central School Building, York, Pa., and at the Builders' Exchanges in Philadelphia, Pa., and Baltimore, Md.

All bids must be signed, sealed, properly marked with name of contract bid upon and delivered to David N. Crider, Secretary, Central School Building, York, Pa., not later than 1 o'clock P. M., of Friday, November 20, 1925. All proposals received after the time advertised for receiving bids will be returned unopened.

The right is reserved to reject any and all bids.

EDWARD W. NEUMAN,
Chairman of the Committee on Buildings, Grounds and Fuel, of the Board of School Directors of the School District of the City of York, Pa.

That plan of the king in olden times who killed the messenger who brought him bad news has my approval. Blessed are those who bring glad tidings! If you cannot write a good letter—don't!—Elbert Hubbard.

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(Continued from Page 708)

scale. The construction industry as a whole must adopt a vigorous well-planned program for eliminating all preventable accidents.

It goes without saying that the first step in such a program is a determination of the facts relating to accidents. In other words, the foundation of a successful drive against accidents must be reliable accident statistics.

Statistics is a much abused term. At a very sight of the word the average man pictures a dry meaningless mass of figures and looks about for the nearest avenue of escape. Yet the proper kind of statistics simply represent facts brought together in a logical form and tabulated in such shape that they may be properly studied and made to serve a useful purpose.

All construction companies should establish at once a systematic plan of keeping their accident records that will fit in smoothly and naturally with their regular procedure. In accordance with the requirements of the Workmen's Compensation laws, all accidents must be reported to the state authorities. Thus, it is necessary in any case to put on record the essential information relative to all accidents. Instead of merely filing this data in a pointless, unrelated fashion, it involves little if any extra time and trouble to record this same information in accordance with a definite orderly plan, so that the facts may be readily tabulated and used.

Advantages of Systematic Plan for Keeping Accident Records

Every company which adopts a systematic plan for keeping its accident records will find it of the utmost assistance in its efforts to prevent accidents on its own individual operations. First, it will show the chief executives the number of causes of accidents which are occurring. It will enable them to grasp clearly the waste and loss of efficiency which accidents represent. Only when the facts regarding accidents are presented in a more or less exact, concise form, instead of in a vague general way, can busy executives be reasonably expected to realize fully the importance of their accident problem and its significance bearing upon the well being of their employees and the productiveness of their business. The attitude of the chief executives of an organization toward accident prevention is reflected all down the line. Therefore, there exists the absolute necessity for them to have at hand the data upon which to base their judgment.

Second, clear-cut properly compiled accident records will show superintendents directly in charge of construction operations just how many accidents they are having and what causes are responsible

for them. Thus, they can direct remedies and know where to concentrate their efforts toward prevention. Such records are of course invaluable to men in any organization who may be assigned to supervise safety activities.

Furthermore, such records can be utilized to great advantage in attracting attention of foremen and workmen to accident prevention. Statistics may commonly be regarded as of little interest. Yet every day millions of Americans display the keenest interest in one set of statistics, and relative standings of the major league ball teams. The spirit of competition makes the cold hard figures glow with life. Different jobs or different divisions on the same job can be put on a competitive basis and their accident records compared. The figure can be arranged and displayed in an attractive way to appeal to that universal spirit of competition so that superintendents, foremen, and workmen will strive to produce an accident record which will compare favorably with that of other divisions and with their own past record.

But every one of the arguments that can be urged to induce all construction companies to keep systematic accident records in accordance with any method which may suit their various individual ideas applies with vastly greater force when it comes to appealing to all members of the construction industry to compile and tabulate their accident statistics in accordance with a standard uniform method. This means striking in unison at the very roots of the problem and ensures the maximum co-operation from the very start.

The advantage of standardizing accident statistics and having all construction companies tabulate their accident data in the same form are too self-evident as hardly to require stating.

This would be of value if for no other reason than that it would enable organizations to compare on the same basis their various accident records and let each one know how they stood with respect to others. The Dwight P. Robinson Company, for example, which the writer represents, might compile and as a matter of fact actually does compile accurate accident statistics and knows just exactly its accident frequency rate. Yet unless construction companies have compiled similar records on the same basis we cannot tell whether our record is better or worse than the average. We might believe it to be better, since we are obtaining the benefit of preferred insurance rates, but the actual fact of the matter is that without being able to compare it with the records of a sufficient number of representative companies of our own class to establish an average we are unable to know definitely just how we stand on the matter of accidents.

If we knew we did not stand as well as the average it would be powerful stimulus to improve our standing. If we found we stood above the average, it would be a matter of pride to us to retain and if possible extend our lead. There is no question but that the friendly rivalry that would thus be stimulated among various organizations would be of value in preventing accidents throughout the whole field. In a concern with a well developed *esprit de corps* it would simply be necessary to announce that a certain rival was able to do its work without as many accidents and all along the line the members of this company would become interested in the matter of bettering its accident experience.

But the real solid substantial argument for standardizing accident statistics and having all records on a common basis is that it would enable the combined accident experience of the entire construction industry to be readily analyzed in a scientific manner. Thus, in a very much shorter time than if each depended solely on his individual data, the principal hazards in the whole construction field could be fairly definitely ascertained.

Standard Safety Codes

The conclusion that it would be possible to draw from the impartial studies of reliable standard statistics would afford a sound basis for concerted action by the members of the construction industry. Such concerted action might be taken on various ways, as for example in the preparing of standard codes for construction work. Frequently construction men are heard to complain relative to the

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provisions of certain state codes. But after all how can we expect to get the most intelligent laws designed to promote safety, unless those who draft them have a thorough knowledge of the facts, or in other words, are in possession of complete statistics. Or another way in which concerted action based on broadly gathered facts could accomplish what individual action could not is in the bringing of pressure upon the manufacturers of construction equipment to induce them to provide adequate guards on their devices at the source, that is, in their shops.

Again, if we have standard accident data compiled from many separate sources, it would make it possible for various valuable special investigations to be made in the way of scientific research having a great potential value. For example, it might eventually be possible to determine whether any definite relation and, if so, what relation exists between accidents and such other factors as overtime work, night work, labor turnover, industrial unrest, various types of construction and so forth?

Finally, many competent observers among insurance men are of the opinion that the classifications in the Compensation Insurance Manual relative to construction work are very much in need of revision. It is agreed that this can be done much more readily and intelligently after contractors have compiled accurate and comprehensive accident statistics.

Having agreed to the value in, and the necessity for the compiling of uniform accident records in construction, what are the practical steps required to bring about this standardization?

In the first instance, what are the records which should be regarded as essential? From the experience of other industries it may be stated with certainty that there are three distinct sets of data which all individual companies should tabulate. Every organization should compute first, its accident frequency rate; second, its accident severity rate; and third, should classify all of its lost-time accidents as to cause.

With respect to the first two mentioned there is little difficulty on agreeing upon a fixed standard. The basis of all accident frequency and accident severity rates is necessarily the amount of working time, which represents the amount of exposure to the risk of accident. Hence, since the working time varies, it is simply necessary to decide upon a common unit of time for measuring accidents. The best opinion on this subject is now unanimous in defining an accident frequency rate as an expression stating the number of lost-time accidents occurring in any specified period of time per each one million man-hours worked. An accident severity rate for a given period is an expression stating the number of working days lost,

due to lost-time accidents occurring in the period, per each one thousand man-hours worked.

Therefore, if the regular payroll figures of a company showed that during the past year their field forces worked 1,500,000 man-hours, while during the year there occurred on the work a total of 90 by 1.5. The quotient is 60. Hence, the accident frequency rate of this company for the past year is expressed as 60 lost-time accidents per each million man-hours worked.

In like manner if the above accidents caused a total loss of 6,000 working days the severity rate would be computed by dividing 6,000 by 1,500. The quotient is 4. Hence, the accident severity rate of this company for the past year is expressed as four working days lost per each thousand man-hours worked.

This, then, briefly shows the standard method of compiling accident frequency and severity rates which all construction companies should adopt. Table I and Table II (See page 593, Appendix B, Report of Statistical and Standardization Committee, Construction Section), display the standard forms which should be used in working up and recording this data. Any construction company whether or not a member of the National Safety Council that desires more detailed information relating to this method for computing their accident frequency and severity rates and to the proper uses of these forms can easily obtain it by writing to the headquarters' office of the National Safety Council, at Chicago.

Coming next to the third requirement that companies should tabulate as to cause all accidents involving lost time, we are at the present time facing a more difficult proposition. Table III shows the form which should be used in compiling this data. (See page 602, Appendix—Report of Statistical and Standardization Committee, Construction Section). Obviously, however, the maximum value would be derived from data of this character if it were possible for all companies to adopt a standard list of causes for use in classifying their various accidents. Needless to say it will require considerable study to develop such a table of causes that will be sufficient to meet all reasonable requirements without being at the same time too cumbersome. The co-operation of as many representative companies as possible is absolutely necessary to evolve a satisfactory solution.

Aims of Construction Section of N. A. C.

Fortunately for the construction industry a common meeting place for discussing and threshing out a matter of this kind is already established through the medium of the Construction Section of the National Safety Council. The development of such a standard list of causes for classifying accidents is one of

the official aims of the Construction Section. All of us who are members of the Section should exert every effort to induce as many progressive construction companies as possible to join the National Safety Council and sit in with us on this important matter. In any event, however, whether members of the National Safety Council or not, every construction organization in the interest of obtaining reliable accident statistics should classify all accidents in the manner shown in Table III on the basis of some suitable list of causes until such time as a uniform list has been agreed upon.

By way of recapitulation, then, we have sized up the situation of high costs in the construction field today and have discovered one vulnerable point to attack, that is, the factor of high insurance costs. Recognizing the reduction of insurance costs to be a question of reducing accidents it follows as a matter of course that the construction industry cannot afford to do otherwise than to institute a vigorous program for the prevention of accidents. The corner-stone of such a program must necessarily be accurately determined and properly tabulated accident statistics. Maximum results on a large scale cannot be achieved by individual companies playing a lone hand, but can only be obtained by the co-operation of all. Thus, there exists the necessity for every progressive organization to compile standard uniform accident records. That is, every company engaged on active construction operations should regularly compile its accident frequency rate, its accident severity rate, and in addition should tabulate all lost-time accidents as to cause in accordance with the standard methods outlined.

In a word, therefore, let us enter upon the road which leads toward the elimination of the present tremendous waste in money, man power, and production due to accidents in the construction industry. If we are to reap the largest dividends from our efforts and are to make the greatest headway toward the realization of the high humanitarian ideal of no accident we must be satisfied that as we proceed forward step by step our feet are firmly planted on the solid ground of facts; that is, our progress must be based on standard dependable accident statistics.

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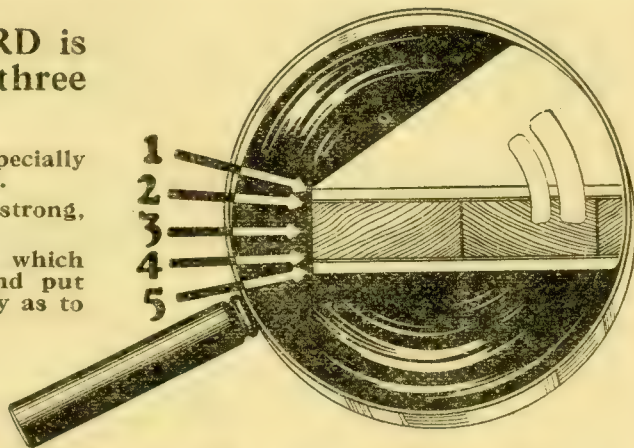
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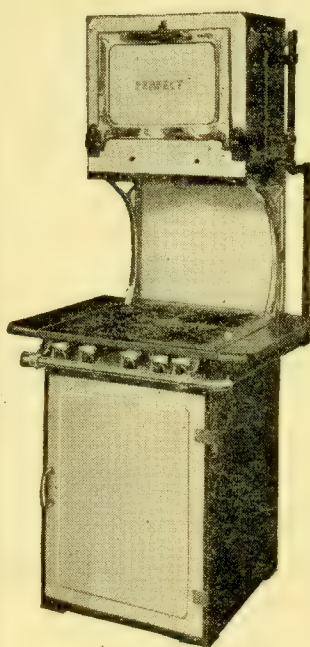
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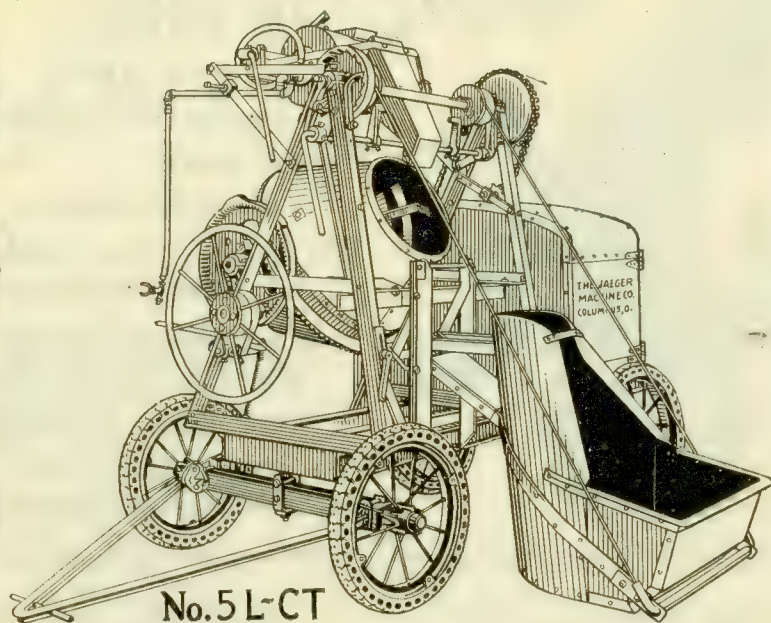
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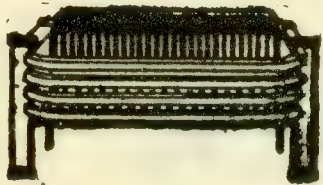
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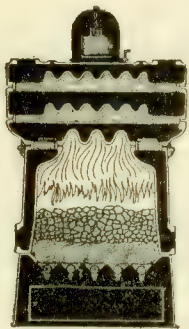
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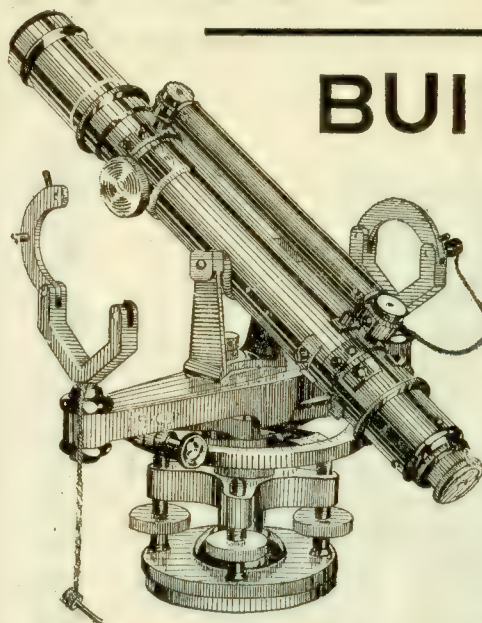
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural

VOLUME XL

Engineering and the Building Trades

PHILADELPHIA

Number 46

November, 18 1925

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Bank Building, Thirty-second and Market streets, Philadelphia. Owners, First National Bank of Philadelphia, C. L. Borie, Jr., 315 Chestnut street, Philadelphia. Brick, stone, 1 and 3 stories. Sketches submitted by Zantzinger, Borie & Medary, Otis Building, Philadelphia.

Residence and Garage, Martin and Graver's Lanes, Philadelphia. Architect, Eugene A. Stopper, 10 South Eighteenth street, Philadelphia. Owner, M. H. Walrath, Sixteenth and Indiana avenue, Philadelphia. Stone, hollow tile, stucco, 2½ stories, 40x40 feet, oak floors, hot water heat, electric light, tile work. Plans in progress.

Apartment House, Wissahickon avenue and School Lane, Philadelphia. Architect, private plans. Owner, Nathan Raidman, Forty-ninth and Locust streets, Philadelphia. Too early for details. Work contemplated.

Nurses' Home, Eighteenth and Fitzwater streets, Philadelphia. Architects, Stewardson & Page, 315 South Fifteenth street, Philadelphia. Owners, Children's Hospital, Benjamin Rush, on premises. Brick, steel, 3 stories. Work contemplated.

Sunday School, Ridge avenue and Hermitage street, Roxborough, Philadelphia. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, Levering Presbyterian Church, Rev. H. R. Burgess, 4423 Mitchell street, Philadelphia. Plans in progress.

Church and Sunday School (add.), Thirty-second and Midvale avenue, Philadelphia. Architect, Lawrence Visseher Boyd, Harrison Building, Philadelphia. Owners, Church of the Good Shepherd, Rev. William Y. Edward, 5916 Wayne avenue, Philadelphia. Stone, 1 story and basement. Plans in progress.

Office Building, Northeast Corner Fifteenth and Spruce streets, Philadelphia. Engineer, W. H. Gravell, Otis Building, Philadelphia.

Owner, Richard J. Seltzer, Fifteenth and Spruce streets, Philadelphia. Work contemplated. Will build in fall of 1926.

Factory Building, 1129-31 Race street, Philadelphia. Architects, Silverman & Levy, Elrae Building, Philadelphia. Owner, F. H. Levin, on premises. Brick, 2 stores, 32x110 feet, steam heat, electric light, slag roof. Owner will build. Plans in progress.

Residences (32), Foulkrod street and Summerdale avenue, Philadelphia. Architect, private plans. Owner, Frank Kaiser, 1517 South Sixth street, Philadelphia. Brick, 2½ stories, 16x80 feet, slag roof, hardwood and cement floors, hot water heat, electric light, tile work, metal lath. Owner taking sub-bids due as soon as possible.

Residence, 1920 Panama street, Philadelphia. Architect, Alexander M. Adams, 1012 Walnut street, Philadelphia. Owner, William B. Stinson, on premises. Brick, stone, 2½ stories, 32x48 feet, hot water heat, electric light, tile work, variegated slate roof, oak, pine floors ornamental iron work. J. B. Kelly, 2315 Walnut street, Philadelphia, who is now taking sub-bids.

Factory, Wyoming and Belfield avenues, Philadelphia. Architect, R. R. Neely, 2301 Spruce street, Philadelphia. Owner and builder, M. Corson Shaleross, York road and Windrim avenue. Brick, 1 story, 40x120 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash, steel partitions. Plans completed. Owner taking sub-bids due at once.

Residences (2), 701-03 Tabor Road, Philadelphia. Architect, Frank V. Nickels, 15 South Twenty-first street, Philadelphia. Owners, Park Realty Co., 4105 North Fifth street, Philadelphia. Brick, 2 stories, 16½x50½ feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Owners taking sub-bids.

Automobile Sales and Service Station,

Broad and Washington avenue. Architect, P. S. Tyre, 1509 Arch street, Philadelphia. Owners, Duff Nash Motor Co., 1113 South Broad street, Philadelphia. Brick, limestone. Plans in progress.

Outpatients' Building, Eighth and Spruce streets, Philadelphia. Architects, Zantzinger, Borie & Medary, Otis Building, Philadelphia. Owners, Pennsylvania Hospital, on premises. Brick, reinforced concrete steel, 4 stores and basement, 142x60 feet, steam heat, electric light, metal lath, tile work, marble and terrazzo work, hollow metal sash, copper skylights, tin-clad doors, bond, floor hardener, iron stairs, ornamental iron work, slag roof, cement floors, hollow tile, elevators, metal weathre strip, shoring, dampproofing, demolition, integral and membrane waterproofing, rolled steel area windows, area gratings, iron ladders, kalamein doors, metal partitions, painting and glazing, hardware, ornamental bronze, rubber tile floors, dumb waiters and equipment, plumbing, wrought iron pipe, brass pipe, refrigeration equipment, ventilating system. Architects taking bids due November 25th at noon.

Sesqui-Centennial Building, Philadelphia. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, State of New Jersey, M. F. Margerum, Trenton, N. J. Stone, structural steel, 2½ stories, 35x60 feet, 30x100 feet, slate roof, quarry tile, stone and hardwood floors, ornamental iron, iron stairs, kitchen equipment, tile and marble, metal lath (heating, lighting and plumbing separate). Architect taking bids due November 23rd.

Building (alts.), 317-19 North Second street, Philadelphia. Architect, private plans. Owner, Joseph Casani, on premises. Carpentry and mill work, plate glass, hardware, painting and glazing. Owner taking bids due as soon as possible.

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Spruce Apartments (add.), Thirteenth and Spruce streets, Philadelphia. Architect, Clyde S. Adams, 2038 Spruce street, Philadelphia. Owners, Fried & Fishman, 262 South Seventeenth street, Philadelphia. Brick, limestone, 3 stories add., 19x88 feet, slag roof, oak and pine and cement floors, carpentry and mill work, painting and glazing, heating and lighting additions, ornamental iron work. Owners taking bids due as soon as possible.

Banking Quarters Equipment, Broad and Arch streets, Philadelphia. Architects, Dennison & Hiron, 288 Lexington avenue, New York City. Owners, Liberty Title & Trust Co., Broad and Arch streets, Philadelphia. Marble and tile work, bronze work, mill work, miscellaneous iron work, plastering, ornamental plaster, brick work, hollow tile, partitions, painting and glazing, rubber tile floors, linoleum, clocks (electric), electric fixtures, metal furniture. Irwin & Leighton, 126 North Twelfth street, Philadelphia, taking sub-bids due November 19th.

Church (alts. and add.), Southeast Corner Sixty-second and Jefferson streets, Philadelphia. Architect, H. F. Weidel, 915 North Fourth street, Reading, Pa. Owners, Evangelical Lutheran Church of the Good Shepherd, Rev. Henry F. Hale, president, 1701 North Sixty-second street, Philadelphia. Cast stone, limestone, stone, masonry, brick work, cut stone, reinforced concrete work, slate roof (gray or variegated), steel and iron work, maple floors, carpentry and mill work, plastering, painting and glazing. Auditorium add., 1 story and basement, 42x71 feet. Owners taking bids due November 25th.

School, Seventy-second and Paschall avenue, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Clement's Parish, Rev. Francis P. Dougherty, on premises. Brick, stone, steel, cut stone, 3 stories and basement, 144x47 feet, wing 107x50 feet, slag roof, slate roof, cement and maple floors, roof ventilators, waterproofing (integral), metal lath, tile and marble work, rolled steel sash, kalamein and hollow metal doors, bond, ornamental iron work, granite limestone, caulking, metal toilet partitions, painting and glazing, area gratings, leaded glass. Architects taking bids due November 24th, 10 A. M.

Swimming Pool, Moyer and Montgomery avenue, Philadelphia. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Department of Public Welfare, Bureau of Recreation, 595 City Hall. Low bidders: Conneen Const. Co., 2315 Walnut street, Philadelphia, \$32,760; D. Lutz & Co., Twenty-third and Chestnut streets, Philadelphia, \$36,900. Plumbing, George W. Sandman, 404 South Twentieth street, Philadelphia, \$2,690. Electric, H. Mitchell, 1713 Sansom street, Philadelphia, \$1,125.

Residences (14), Saul and Alcott streets, Philadelphia, \$71,000. Architect, private plans. Owner, William Cooper, 76 East Johnson street, Philadelphia. Brick, 2 stories, (12) 15x28 feet, 11x11 feet, (2) 15x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residence, North side Disston street, West of Frontenac street, Philadelphia. Architect, private plans. Owner, Howard Wynkoop, 2312 Coral street, Philadelphia. Brick and frame, 2 stories, 24x24 feet, hot water heat, electric light. Permit granted.

Residence, Northwest Corner Murray and Dungan streets, Philadelphia, \$5,000. Architect, private plans. Owner, Thomas C. Copeland, Bustleton, Pa. Frame, 2 stories, 36x26 feet, shingle roof, hot water heat, electric light. Permit granted.

Storage Building and Store (add.), 1219 Locust street (rear), Philadelphia, \$2,850. Architect, private plans. Owner, I. Ferrero, 1219 Locust street, Philadelphia. Brick, 1 story, add., 16x28 feet. Permit granted.

Residences (3), West side Keystone street, South of Disston street, \$4,000 each. Architect, private plans. Owner, Joseph Sabolewski, 4655 Dittman street, Philadelphia. Brick, 2 stories, 14x29 feet, 11x11 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Residences (7), Cottage and Comly, Van Dyke and St. Vincent streets, Philadelphia, \$3,800 each. Architect, private plans. Owner, Frank Storek, 426 East Roosevelt Boulevard, Philadelphia. Brick, 2 stories, 16x28 feet, 10x10 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Bungalows (2), North side Eighty-first street, North of Harley avenue, \$3,500 each. Architect, private plans. Owner, Randolph Carr, 6906 Woodland avenue, Philadelphia. Brick, 1 story, 18x43 feet, pine floors, hot air heat, electric light. Permit granted.

Warehouse, Southeast Corner Amber and Venango streets, Philadelphia, \$20,000. Architect, private plans. Owners, Gill Glass Co., on premises. Iron, 1 story, 88x170 feet. Permit granted.

Residence, West side Henry avenue, North of Coulter street, Philadelphia, \$16,500. Architect, private plans. Owner, John B. Remmey, 129 East Mt. Pleasant avenue, Philadelphia. Stone, 3 stories, 29x37 feet 10 inches, 21x18 feet 6 inches, slate roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Hall, 1721 Spring Garden street, Philadelphia, \$7,000. Architect, private plans. Owners, Philadelphia School of Bible, on premises. Iron, 1 story, 50x70 feet. Permit granted.

Residences (2), 7201-03 Tabor avenue, Philadelphia, \$5,000 each. Architect, private plans. Owner, Paul Trimboli, 4435 North Lawrence street, Philadelphia. Brick, 2 stories, 16 feet 6 inches x 51 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residence, Southwest Corner Wilmot and Ditman streets, Philadelphia, \$5,000. Architect, private plans. Owner, Louis Cohen, 1904 North Twelfth street, Philadelphia. Brick, 2 stories, 37 feet 5 inches x irregular, hot water heat, electric light, pine floors. Permit granted.

Residences (10), East side Osmond street, South of Ainslie street, \$3,250 each. Archi-

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teet, private plans. Owner, M. J. McCruden, 1134 Real Estate Trust Building, Philadelphia. Brick, 2 stories, 16x25 feet, 6x4 feet, hot water heat, electric light, pine floors. Permit granted.

Residences (2), West side Dungan avenue, North of Shelmire street, \$6,000 each. Architect, private plans. Owner, A. Irving Knickerbocker, 7508 Montour street, Philadelphia. Frame, 2 stories, 25x33 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residences (2), Eighty-third and Botanic avenue, Philadelphia, \$6,000 total. Architect, private plans. Owner, John McEnhill, 8311 Tinicum avenue, Philadelphia. Brick, 2 stories, 14x35 feet, slag roof, pine floors, hot air heat, electric light. Permit granted.

Residences (3), 4606-08-10 Paschall avenue, Philadelphia, \$4,500 each. Architect, private plans. Owner, Santo Mazzeo, 4616 Paschall avenue, Philadelphia. Brick, 2 stories, 15x45 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Residences (2), North side Disston street, West of Loretta street, \$4,000 each. Architect, private plans. Owner, Richard Godfrey, Disston street and Loretta avenue, Philadelphia. Frame, 2 stories, 16x49 feet 6 inches, shingle roof, pine floors, pipeless heat, electric light. Permit granted.

Low Bidders on Miscellaneous Work, Philadelphia. Contract 779, Oak Lane Pumping Station, Ross Electric Co., 106 Fairmount avenue, Philadelphia, \$12,100. Contract No. 781, M. & J. B. McHugh, 892 North Markoe street, \$282,802.50. Contract No. 780, Queen Lane Pumping Station, Acme Machine Co., 316 North Seventeenth street, Philadelphia, \$28,975. Contract No. 782, R. J. Crozer, 10 South Eighteenth street, Philadelphia, \$5,300.

Belfield Playground, Twenty-first and Conlyn streets, Philadelphia. City architect, John Molitor, 1513 Walnut street, Philadelphia. Owners, Department of Public Works, Bureau of Recreation, 595 City Hall. Low bidders: J. J. McHugh, 1617 Race street, Philadelphia, \$29,000, \$8,500; McCormick-Lenham, 2403 South Broad street, Philadelphia, \$29,685, \$6,985.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Highways, Philadelphia. Low bidders:

Schedule A, Grading: Ludlow street, Forty-fifth to Forty-sixth street, J. J. McHugh, 1617 Race street, Philadelphia, \$1,829.19.

Schedule B, Asphalt Paving: B street, Louder to Eleanor street, Philadelphia, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$3,654.70; Boyer street, Belfield avenue to Montana street, Mack Paving & Const. Co., Nicetown and C street, \$13,523.40; Crittenden street, Phil-Ellena to Vernon road, Mack

Paving & Const. Co., Nicetown and C street, \$12,632.25; Leiper street, Church to Adams avenue, arber Asphalt Co., 1600 Arch street, Philadelphia, \$12,410.59; Ludlow street, Forty-seventh to Forty-eighth street, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$7,115.11; Marsden street, St. Vincent street to Cottman, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$4,532.44; N street, Kensington avenue to Luzerne street, Mack Paving & Const. Co., Nicetown and C street, \$19,576.05; Torresdale avenue, I to N street, Philadelphia, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$107,625.48; Johnston street, Randolph to Seventh street, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$12,895.44.

Schedule D—Bituminous joint filler for wood block, Atlantic Refining Co., Atlantic Building, Philadelphia, \$5,830.

Schedule E—Sand for asphalt paving mixtures, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$3,014.

Schedule F1—Knight Road Bridge, No. 26, Angelo De Rienze, Philadelphia, \$5,160.

Schedule F2—Fenders and Philip, Bridge No. 1, J. H. Terry & Co., Drexel Building, Philadelphia, \$5,140.

Schedule F3—Gates, South Street Bridge,

George B. Clopp, 3717 Filbert street, Philadelphia, \$1,899.

Schedule H—Furnishing asphalt paving mixtures, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$14,850.

Schedule L—Construct loading platforms, Joseph J. McHugh, 1617 Race street, Philadelphia, \$6,710.

Residences (36), Sixty-sixth and Beaumont avenue, Philadelphia, \$163,000. Architect, private plans. Owners, Paul & Chanin, 4807 North Hutchinson street, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residences (6), West side Torresdale avenue, South of Unruh street, \$7,500. Architect, private plans. Owner, A. Rosen, 521 Porter street, Philadelphia. Brick, 2 stories, 15x26 feet, 12x25 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residences (10), West side Cottage street, North of Howell street, \$4,500 each. Architect, private plans. Owners, L. & E. Dietrich, 3016 Comly street, Philadelphia. Brick, 2 stories, 15½x41 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residences (4), West side Elberon street, South of Stanwood, \$5,000 each. Architect, private plans. Owner, James McGinley, 106 West Wyoming avenue, Philadelphia. Brick, 2 stories, 14x38 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Cecil T. Higgins, 106 West Wyoming avenue.

Junior High School, Seventeenth and Pike streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Contracts awarded McCloskey Co., 1620 Thompson St., \$997,847; heating, John Borden & Bros., 637 N. Nineteenth St., Philadelphia, \$63,840; plumbing, S. Faith & Co., Inc., 2427 Pennsylvania avenue, Philadelphia, \$40,743; ventilating, A. W. Wegmann, 2813 West Fletcher street, Philadelphia, \$7,033; electric, Walker & Kepler, 531 Chestnut street, Philadelphia, \$8,281.

Mill Building, Sedgley avenue and L street, Philadelphia. Architect, H. A. Hamilton, Greene and Cheltenham avenue, Philadelphia. Owners, Spuntex Mill, P. P. Leet and H. L. Cooper, care of Franklin Hosiery Co., on premises. Brick, reinforced concrete, 2 stories and basement, 93x92 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash, fire and steel doors, plumbing, bond, floor hardener, sprinkler system, area grating, steel toilet partitions, iron pipe. Contract awarded William Steele & Son, 219 North Broad street, Philadelphia.

Residence and Garage, Elbow Lane, North of Allen's Lane, Chestnut Hill. Architect, Robert Rodes McGoodwin, 1600 Walnut street, Philadelphia. Owner, Dr. Temple Fay, 1924 Pine street, Philadelphia. Stone, cut stone, stucco, 2½ stories and 1½ stories, 48x25 feet, garage, 21x23 feet, vapor heat, electric light, metal bath, tile work, Vermont slate roof, oak and pine floors, plumbing, bond, ornamental

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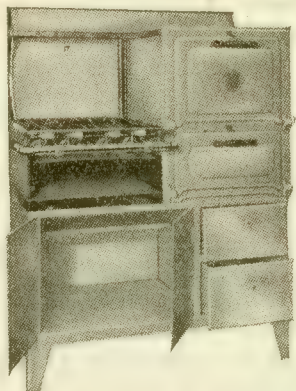
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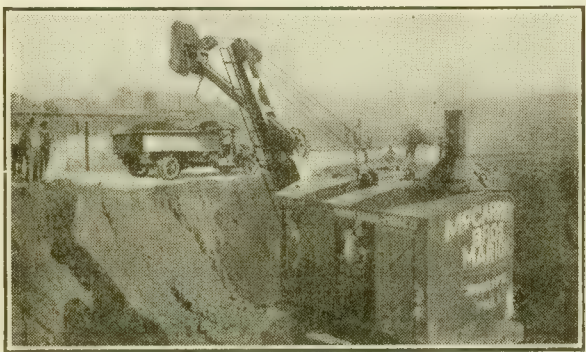
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iron work, flagstone, iron gratings. Contract awarded George S. Roth & Son, 230 East Graver's Lane, Philadelphia.

Store (alts. and add.), 5206 Chestnut street, Philadelphia, \$5,000. Architect, Harold Holmes, Detroit, Mich. Owners, S. S. Kresge Co., Detroit, Mich. Cement and concrete, limestone cut stone, carpentry and mill work, stair work, sheet metal work, plastering, marble and tile work, painting and glazing, electric work, plumbing and steam heating. Contract awarded Fred Elvidge & Son, 5522 Germantown avenue, Philadelphia.

Store and Garages (8) (alts. and add.), 740 North Forty-fifth street, Philadelphia. Architect, R. R. Neely, 2301 Spruce street, Philadelphia. Owner, name withheld. Brick, 1 story, 12x15 feet, slag roof, electric light, 2 baths, general interior alterations, cement work, plumbing, iron work. Contract awarded M. Corson Shalleross, York Road and Windrim avenue, Philadelphia, who is ready for sub-bids.

Public Garage, 2405-17 Federal street, Philadelphia. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Federal Storage Co., 2405 Federal street, Philadelphia. Brick, steel, 1 story, 100x32 feet, slag roof, cement floors, hollow metal doors, bond, floor hardener, ornamental iron work, ornamental terra cotta. Contract awarded E. E. Hollenback, Inc., 1804 Brandywine street, Philadelphia.

Stores (3) (alts.), 2-4-6 North Fortieth street, Philadelphia. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owners, Thomas & William Kelly, care of architect. Brick, cut stone, terra cotta, carpentry and mill work, plastering, painting, glazing, plumbing, hardware, metal bulks iron work, electric work. Contract awarded E. E. Hollenback, Inc., 1804 Brandywine street, Philadelphia.

Residence (alts. to Apartments and Doctor's Office), 2045 Spruce street, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owner, Miss Sara B. Benn, on premises. Bond, demolition, brick work, flagstone, carpentry and mill work, plastering, marble and tile work, iron work, tin roof, hardware, painting and glazing, hot water heat, plumbing, wrought iron pipe, electric work. Contract awarded Philip Haibach Const. Co., 1261 North Twenty-sixth street, Philadelphia.

Residence, Norman Lane, West of Germantown avenue, Chestnut Hill, Pa. Architect, Robert Rodes McGoodwin, 1600 Walnut street, Philadelphia. Owner, Mrs. Margaretta M. Scott, care of architect. Stone, 2½ stories and basement, 100x50 feet, slate roof, oak and

pine floors, hot water heat, electric light, tile work, ornamental iron work. Contract awarded J. E. Walt, Willow Grove avenue, Philadelphia.

Church (alts.), Nineteenth and Federal streets, Philadelphia, \$36,000. Architect, W. E. Hance, Wilmington, Del. Owners, Presbyterian Church, Nineteenth and Federal streets, Philadelphia. Stone, concrete, steel, carpentry and mill work, ventilating, decoration, plastering, heating and plumbing, electric light. Contract awarded Felix Claro, 10 South Eighteenth street, Philadelphia, who wants bids on decoration and painting.

Store and Residence, Southeast Corner Thirtieth and Federal streets, Philadelphia, \$12,000. Architect, private plans. Owner, Ernesto Di Biase, 1164 South Thirteenth street, Philadelphia. Brick, 3 stories, 17x60 feet, slag roof, hot water heating, electric lighting. Contract awarded to Terza, Campelillo & Gaetas, 1612 South Seventeenth street.

Dental Office (alts.), 3155 Kensington avenue, Philadelphia, \$3,000. Architect, private plans. Owner, Dr. William M. Anderson, 1954 Stella avenue, Philadelphia. General alterations. Contract awarded to MacVaugh Const. Co., 6134 Market street.

Store and Residence (add. and alts.), 858 South Swanson street, \$2,340. Architect, private plans. Owner, Michael Klukorssvi, 101 Ellsworth street, Philadelphia. Brick, 3 stories add., 15x15 feet, general alterations. Contract awarded to Edward Mickiewicz, 31 Queen street, Philadelphia.

Residence, South side Herschel road, East of Edison road, \$12,000. Architect, private plans. Owner, Mrs. George Willig, Frankford, Philadelphia. Frame, 2 stories, 25x38 feet, shingle roof, hardwood and pine floors, electric lighting, tile work. Contract awarded to Charles T. Ely, Somerton, Philadelphia.

Garage (alts.), 5328 Media street, Philadelphia, \$11,500. Architect, private plans. Owner, Russell Stephen, 230 Wilton street, Philadelphia. Brick, 1 story, 51 feet 7 inches x 14 feet, general alterations. Contract awarded to Gordy Brothers, 134 North Paxon street, Philadelphia.

Residence (alts.), Northeast Corner Twenty-first and Sharswood streets, Philadelphia, \$4,000. Architect, private plans. Owner, Mark Mathias, on premises. General alterations. Contract awarded to J. F. Trent, Nineteenth and Addison streets, Philadelphia.

Store and Residence (alts.), 413 South Broad street, Philadelphia, \$9,000. Architect, private plans. Owner, Abraham Friedman, 4703 York road, Philadelphia. General alterations. Contract awarded to Michael Benjamin, 5913 Chancellor street.

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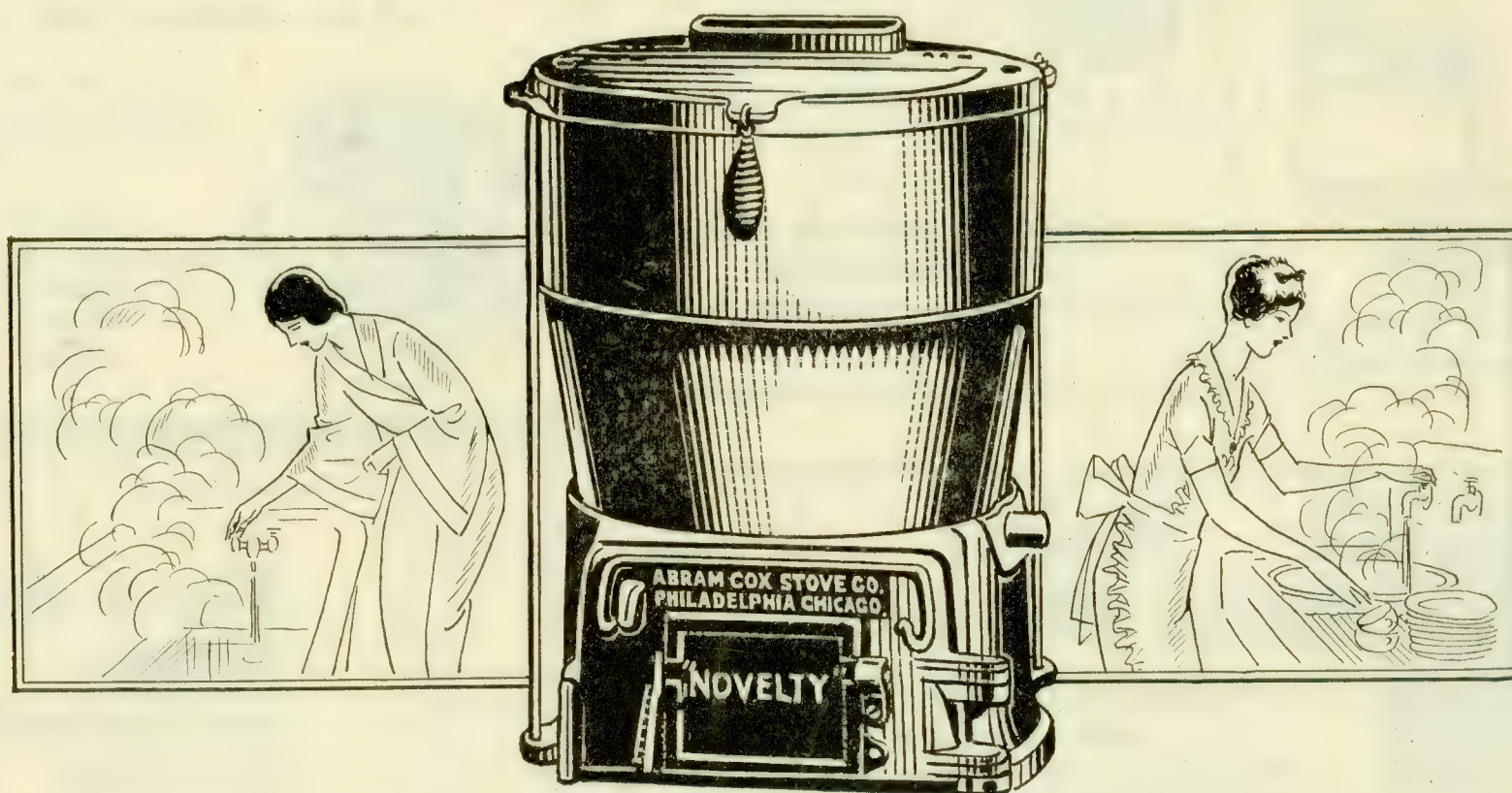
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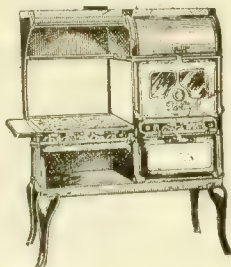
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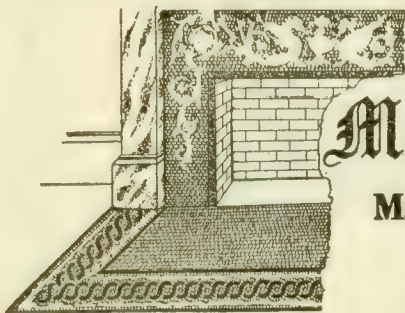


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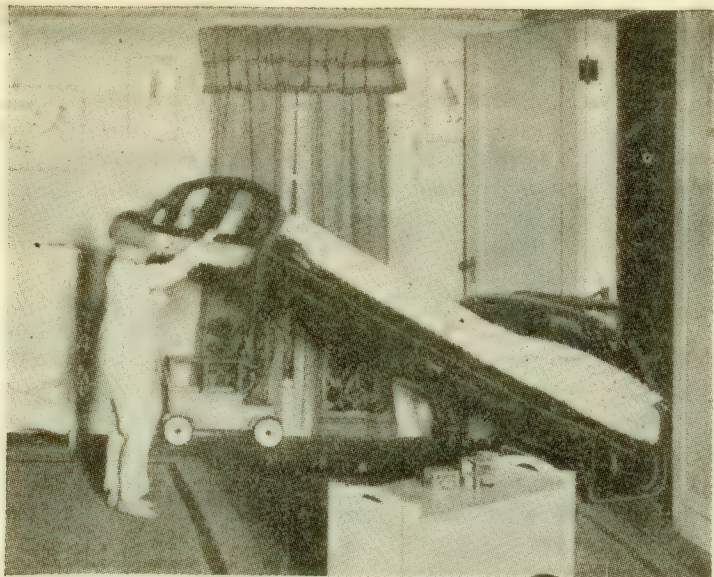


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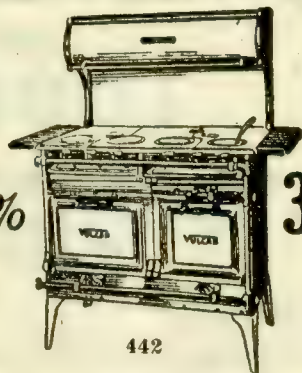
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Residence, South side Tremont street, East of Newtown road, \$5,500. Architect, private plans. Owner, Arthur Trussell, Bustleton, Philadelphia. Frame, 2 stories, 24x27 feet, shingle roof, electric lighting. Contract awarded to Walter Freas, Bustleton, Philadelphia.

Store, 532 Carpenter's Lane, Germantown, Philadelphia, \$5,000. Architect, private plans. Owner, P. Moyarmon, Liberty Building, Philadelphia. Brick, 1 story, 21 feet 5 inches x 53 feet 10 inches, slag roof, pine floors, electric lighting. Contract awarded to Perry T. McCluskey, 419 West Luray street, Philadelphia.

Ice Manufacturing Building, Southwest Corner Fifty-fourth and Paschall avenue, \$4,000. Architect, private plans. Owners, Crescent Ice Co., Fifty-fourth and Paschall avenue, Philadelphia. Brick, 1 story, 44x67 feet 5 inches. Contract awarded to William F. Koelle & Co., Twenty-sixth and Oxford streets.

Factory (alts.), 1107-09 Blair street, Philadelphia, \$3,500. Architect, private plans. Owner, B. Goldes, 1804 Frankford avenue, Philadelphia. General alterations. Contract awarded to Morris Yacknitz, 4544 North Warnock street.

Garage (add.), 1635 Sydenham street, Philadelphia, \$3,100. Architect, private plans. Owner, Ralph W. Flint, 1634 North Fifteenth street, Philadelphia. Brick, 1 story add., 23 feet 6 inches x 37 feet, slag roof, cement floors. Contract awarded to Charles D. Land, Chalmers and Marston streets.

Garage and Alterations to Building, 1805 Blair street, Philadelphia, \$9,500. Architect, private plans. Owner, B. Goldes, 1804 Frankford avenue, Philadelphia. Brick, 1 story, 42x47 feet, slag roof, general alterations. Contract awarded to Morris Yacknitz, 4544 North Warnock street.

Stores and Residences (3), Latona street and Point Breeze avenue, \$22,000. Architect, private plans. Owner, A. B. Block, 1249 Point Breeze avenue, Philadelphia. Brick, 2 stories, various sizes, slag roof, hot water heat, electric light, pine floors. Contract awarded to H. Harod, 4942 C street, Philadelphia.

Store and Residence (alts.), 825 Spring Garden street, Philadelphia, \$7,000. Owner, S. K. Allman, Finance Building, Philadelphia. General alterations and heating. Contract awarded to S. H. Levin, Elrae Building, Philadelphia.

Apartment House (alts.), 953 Belmont ave-

nue, Philadelphia, \$6,000. Architect, private plans. Owner, Katherine Purcell, on premises. General alterations. Contract awarded to W. A. Evitts, 4920 Fairmount avenue, Philadelphia.

Office, 427 East Collom street, Philadelphia, \$5,500. Architect, private plans. Owners, Neatsol Products Co., on premises. Brick, 1 story, 34x32 feet, slag roof, pine floors, electric work. Contract awarded to F. Crompton & Bro., 4614 Oakland street, Philadelphia.

Store and Residence (add. and alts.), 2619 Germantown avenue, \$2,500. Architect, private plans. Owner, H. D. Clauser, 2619 Germantown avenue, Philadelphia. Brick, 1 story add., 3x15 feet, general alterations. Contract awarded to J. Y. Loux, Fifteenth and Hunting Park avenue, Philadelphia.

Store and Residence (alts.), 5115 Germantown avenue, Philadelphia, \$2,000. Architect, private plans. Owner, Max Fleigleman, 5115 Germantown avenue, Philadelphia. General alterations. Contract awarded to Joseph Goldfarb, 2523 South Reese street, Philadelphia.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Highways, Philadelphia. Contracts awarded: Repaving Snyder avenue, Fifth to Eighth, Eleventh to Thirteenth, track area Eighth to Eleventh, Eastren Asphalt Co., Pennsylvania Building, Philadelphia, \$77,300. Track area Snyder, Broad to Twenty-third, Mazzola & Marano, 739 South Seventh street, Philadelphia, \$39,000. Twenty-second street, Moore to Snyder avenue, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$26,350. Sixteenth street, Passyunk to Porter, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$28,000. Repaving Fifteenth, Porter to Shunk, track area Sixteenth, Washington to Moore, United Paving Co., Thirtieth and Locust streets, Philadelphia, \$27,200. Repaving track area Thirteenth, Snyder to Jackson, Mazzola & Mariano, 739 South Seventh street, Philadelphia, \$17,500. Repaving Sixth street, Snyder to Porter, Mazzola & Mariano, 739 South Seventh street, Philadelphia, \$20,700.

Manufacturing Building (alts.), 102 East Mermaid Lane, \$2,200. Architect, private plans. Owners, Yarnall-Waring Co., 102 East Mermaid Lane, Philadelphia. General alterations. Contract awarded to S. W. Kitselman, 125 East Upsal street, Philadelphia.

Garage, 2518-20 West Harold street, Philadelphia, \$4,500. Architect, private plans. Owner, Sophia Abel, 2535 West Huntingdon

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street, Philadelphia. Brick, 1 story, 36x60 feet, slag roof, cement floors, electric work. Contract awarded to William H. Abel, 3246 North Twenty-sixth street, Philadelphia.

Residence, 4933 North Lawrence street, Philadelphia, \$5,000. Architect, private plans. Owner, C. Wurst, 4933 North Lawrence street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Louis Braenig, Jr., Fairhill and Chelton avenue.

Store and Residence (add. and alts.), 637 South street, Philadelphia, \$3,500. Architect, private plans. Owner, Sara Baumholtz, 639 South street, Philadelphia. Brick, 2 stories add., 14x15 feet, general alterations. Contract awarded to Belinsky Brothers, 5423 Upland street, Philadelphia.

Store and Residence (add. and alts.), 1007

East Cottman street, \$3,350. Architect, private plans. Owner, N. Hersberg, 1003 Cottman street, Philadelphia. Frame, 1 story add., 16x9 feet 6 inches, general alterations. Contract awarded to Thomas E. Andrews, 848 Friendship street, Philadelphia.

Storage Building (alts. and add.), Northeast Corner Oregon avenue and Franklin street, \$3,300. Architect, private plans. Owners, Louis Glaser & Cohen, 226 South Fifteenth street, Philadelphia. Brick, 1 story add., 15x10 feet, general alterations. Contract awarded to M. Hoffman, 4908 Brown street, Philadelphia.

Warehouse (tank supports), Front and Bainbridge streets, \$3,000. Architect, private plans. Owners, Merchants' Warehouse Co., on premises. Contract awarded to George Kessler Cont. Co., 1733 North Marvine street.

PENNSYLVANIA Construction News

Boiler House and Laundry, House of Employment, Middletown Township, Pa. Owners, County Controller, Middletown Township, Media, Pa. Owners taking bids due November 24th, 11 A. M. Construct boiler house and laundry, plumbing, laundry equipment, electric wiring, boiler plant equipment, underground piping, etc. Certified check 10 per cent. of amount of bid. Deposit \$5, no refund.

Sewer Work, Chester, Pa. City engineer, Boutelle, Chester, Pa. Owners, City of Chester, J. P. Eyre Price, superintendent, Chester, Pa. 964 lineal feet 66-inch reinforced concrete pipe for storm water sewer; 386 lineal feet 48-inch reinforced concrete pipe for storm water sewer. Construction of man-holes, inlets and appurtenances necessary. Deposit \$5, refunded. Bond, 50 per cent. of bid. Specifications may be secured from the office of City Engineer, City Hall, Chester. Owners taking bids due November 24th, 2 P. M., in Council Chamber, City Hall, Chester.

Paving, Fox's Bank Bridge, Delaware County, Pa. Engineer, S. C. Hollister, Media, Pa. Owners, Media Commissioners, G. D. Wades, Media, Pa. Paving 18-foot road 500 feet long, including bituminous macadam pavement and sidewalks over Fox's Bank Bridge, Delaware County, Pa. Deposit, \$1. Certified check, 10 per cent. of bids. Owners taking bids due November 24th.

Warehouse and Garage, Pottstown, Pa. Architect, Samuel T. Wagner, Reading Terminal Building, Philadelphia. Owners, Aychenback & Son, Inc., rear of Reading Railroad, Twelfth and Market streets, Philadelphia. Brick, steel, 1 and 2 stories, 68x147 feet, slag roof, cement floors, electric light, rolled steel sash, ornamental iron work. Owners taking bids due November 27th.

Residence, Linden avenue, Aromink, Delaware County, Pa. Architect, private plans. Owner, G. T. Holloway, 27 South Sixth street, Philadelphia. Stone foundations, brick, stucco, 2 stories, 25x35 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work, plumbing. Owner taking sub-bids.

Cottage (alts. and add.), Bear Lake, Pa. Architects, Innes & Levy, 176 South Main street, Wilkes-Barre, Pa. Owner, Walter

Wolf, care of architects. Frame, 2½ stories. Plans in progress.

Residence, Kingston, Pa. Architects, Mack & Sahn, Coal Exchange Building, Wilkes-Barre. Owner, W. G. Williams, Kingston, Pa. Frame, 2½ stories, 28x30 feet, asbestos shingle roof, hardwood floors, steam heat, electric light, tile work. Architects ready for bids.

School, West Wyoming, Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owners, West Wyoming School Board, care of architect. Brick, 6 rooms, slag roof, maple floors, electric light. Architect ready for bids.

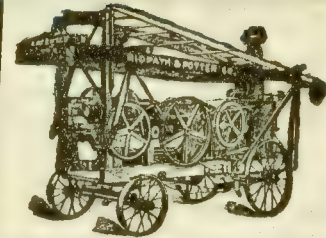
Residence, Wilkes-Barre, Pa. Architect, Austin Reilly, Bennett Building, Wilkes-Barre, Pa. Owner, J. Fencak, Wilkes-Barre, Pa. Frame, 2½ stories, 22x60 feet, asphalt shingle roof, pine floors, steam heat, electric light, plate glass, copper work. Owner taking bids.

Apartment Houses (2), Wilkes-Barre, Pa. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, name with-

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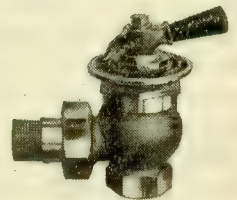
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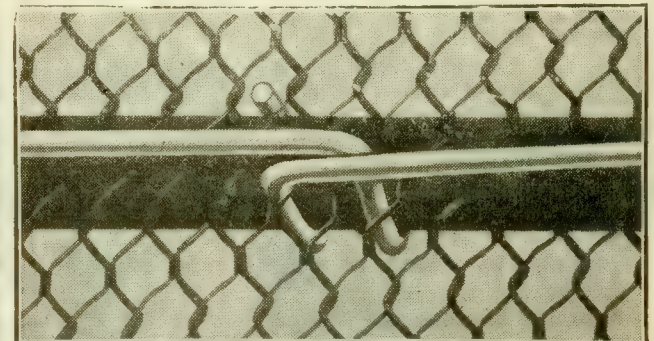
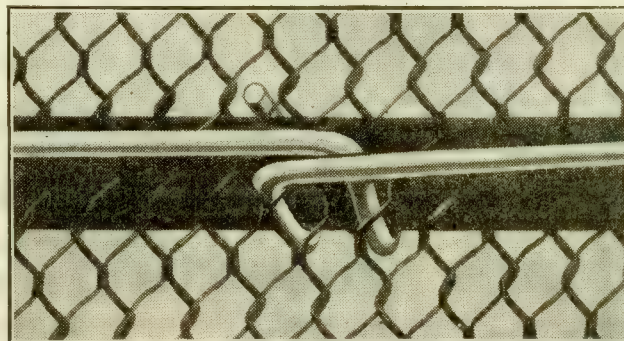
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held. Brick veneer, 2 stories, 32x75 feet, asphalt shingle roof, hardwood floors, vapor heat, electric light, tile work. Architect taking bids due November 20th.

Science Building, Dormitories, Hall of Music, Power Plant, Gymnasium, Infirmary, Addition to Sewage Disposal Plant, Collegeville, Pa. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owners, Ursinus College, H. E. Paisley, president of Building Committee, Reading Terminal Building, Philadelphia. Brick, stone. Work contemplated.

Residence, Eddington, Pa. Architect, Eugene A. Stopper, 10 South Eighteenth street, Philadelphia. Owner, William Ludascher, 219 West Ruscomb street, Philadelphia. Stone, frame, 1½ stories, 40x70 feet. Plans in progress.

Junior Seminary and Chapel, Overbrook, Pa., \$1,000,000. Architect, Paul A. Monaghan, 1713 Sansom street, Philadelphia. Owners, Seminary of St. Charles of Borromeo, D. Cardinal Dougherty, Eighteenth and Race streets, Philadelphia. Stone. Ready for bids in a few days.

Memorial Library, Lancaster Pike and Bryn Mawr avenue, Bryn Mawr, Pa., \$50,000. Architect, R. Rodes McGoodwin, 1600 Walnut street, Philadelphia. Owners, Bryn Mawr Memorial and Community House, on premises. Donor, C. H. Ludington, Ardmore, Pa. Stone, limestone, 1 story, slate roof. Plans in progress.

Church, Highland Park, Pa., \$100,000. Architect, George Savage, Witherspoon Building, Philadelphia. Owners, Calvary Presbyterian Church, Rev. A. B. Dickerson, Highland Park, Pa. Stone, 1½ stories. Plans in progress.

Residence, Drexel Hill, Pa., \$25,000. Architects, H. Rex Stackhouse and W. W. Donohue, 1120 Locust street, Philadelphia. Owner, name withheld. Stone, frame and stucco, 2½ stories. Plans in progress.

Store and Offices, 73-75 East Main street, Norristown, Pa. Owner, Samuel Friedman, Norristown, Pa. General rebuilding, fire repairs. Work contemplated.

Residence (alts. and add.), Scranton, Pa. Architect, F. A. Nelson, Connell Building, Scranton, Pa. Owner, Mrs. Edward Morgan, care of architect. Frame, 2½ stories, 24x22 feet, shingle roof, pine floors, vault and vault doors, incinerator, electric refrigeration, tile work, heating extension, electric light. Plans in progress.

Residence and Garage, Crystal Lake, Pa. Architect, F. A. Nelson, Connell Building, Scranton, Pa. Owner, John Price, care of architect. Frame, 2½ stories, 20x60 feet, shingle roof, hardwood floors, tile work, electric light. Plans in progress.

Parsonage (alts.), 401 Bridge street, Catasauqua, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Bridge Street Presbyterian Church, Catasauqua, Pa. Brick, 2½ stories, 24x72 feet, slate roof, yellow pine floors, hot water heat, tile work. Plans in progress.

Service Station, Llanerch, Pa. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owner, E. K. Schultz, Third and Walnut streets, Philadelphia. Frame, 1 story. Plans in progress.

Apartment House, Lansdowne, Pa. Architects, Myers & Shaw, Bankers' Trust Building, Philadelphia. Owner, name withheld. Brick or building block or hollow tile, stucco, steel, concrete, 4 stories, 130x130 feet, 60 apartments, slag and tile roof, oak, composition and tile roof, vapor heat, oil burning equipment, electric light, tile work, 2 elevators, rolled steel sash, kalamein doors. Plans about completed. Architects ready for bids in a few days.

Stores 2), Apartments (6) (alts.), Merion, Pa. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, Phil Green, 4018 Girard avenue, Philadelphia. Brick, 3 stories, 20x70 feet, hardwood and rubber tile floors, electric light, plate glass, structural steel. Plans about completed. Owner will take sub-bids.

Store (alts.), Jenkintown, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Felbin Brothers, Jenkintown, Pa. Painting and glazing, metal ceiling, carpentry and mill work, copper bulks, steel work, plate glass, electric work, composition floor. Architects taking bids due November 23rd.

Parochial School, Cornwell Heights, Bucks County, Pa. Architect, Peter F. Getz, Victory Building, Philadelphia. Owners, St. Charles' Roman Catholic Church, Rev. F. J. Floor, Cornwell Heights. Stone, 2 stories, auditorium and class rooms, asbestos roof, pine floors, rolled steel sash, metal ceilings, metal stairs. Architect taking bids due December 1st.

Silk Mill (add.), Perkasio, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Perkasio Silk Co., Perkasio, Pa. Brick, 2 stories, 41x50 feet, slag roof, wood floors. Owners will build.

Residence and Garage, Greystone road and Blancoyd street, Merion, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, Henry R. Hollowell, Broad below Chestnut street, Philadelphia. Brick, stone, cut stone, 2½ stories (heating, plumbing, electric, refrigerators reserved), Vermont slate roof, oak and pine and cement floors, painting and glazing, metal lath, tile work, rolled steel casements, bond, ornamental iron work, limestone, flagstone. Architects taking bids due November 19th.

Bridge, Montalvern, Pa. Architect, S. C. Hollister, Media, Pa. Owners, Delaware County Commissioners, Media, Pa. Reinforced concrete and steel, 120-foot arch. Owners taking bids due December 1st.

Pennsylvania

Contracts Awarded

Pack House, Hercules, Pa. Engineer, Percival M. Sax, Penfield Building, Philadelphia. Owners, Hercules Portland Cement Corp., 1600 Walnut street, Philadelphia. Brick, re-

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inforced concrete, steel corrugated iron, 12 stories and basement, 120x65 feet, corrugated iron roof, cement floors, roof ventilators, rolled steel sash, floor hardener, iron stairs, ornamental iron work, steel bins. Contract awarded Austin Co., Jefferson Building, Philadelphia.

Apartment, Wilkes-Barre, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre. Owner, Philip Bravman, 16 Sullivan street, Wilkes-Barre, Pa. Brick, 3 stories, 30x40 feet, slag roof, pine floors, steam heat, electric light, tile work. Contract awarded to O. J. Behrens & Son, 179 Blackman street, Wilkes-Barre, Pa.

Show Room and Service Station, Kingston, Pa. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, S. Theis, Kingston, Pa. Brick, steel, limestone, 1 story, 100x120 feet, slag roof, concrete and composition floors, steam heat, electric light, skylights. Contract awarded to Gibbon & Kohl, 86 North Pennsylvania avenue, Wilkes-Barre.

School (add.), Edwardsville, Pa. Architect, J. A. Boyle, Bennett Building, Wilkes-Barre, Pa. Owners, Edwardsville School District, care of secretary, Edwardsville. Brick, steel, 2 stories, 66x31 feet, slag roof, pine floors, roof ventilators, steam heat, electric light, metal lath. Contract awarded to Herman Mailander, 167 Barney street, Wilkes-Barre, Pa.

Residence and Garage, Daylesford, Chester County, Pa. Architect, R. Brognard Okie, 308 South Smedley street, Philadelphia. Owner, C. C. Trump, Merion, Pa. Stone, frame, 2½ stories, 30x60 feet, 1½ stories, 20x30 feet, shingle roof, hardwood and cement floors, hot air heat, electric light. Contract awarded J. Morris Rossiter, Wayne, Pa.

Residence and Garage, Elkins Park, Pa. Architects, Silverman & Levy, Elrae Building, Philadelphia. Owner, J. Leonard Sessler, Elkins Park, Pa. Hollow tile, stucco, brick, 2½ stories and basement, 56x40 feet, 1 story garage, 23x20 feet, shingle roof, oak, pine and linoleum floors, hot water heat, electric light, metal lath, tile and marble work, bond, ornamental iron work, flagstone, rubber tile floors, septic tanks. Contract awarded Roy Randall, Jenkintown, Pa.

Apartment Building (alts. and add.), Conshohocken, Pa. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owner, H. J. Schwalbe, Conshohocken, Pa. Interior completion, metal lath, stair work, carpentry and mill work, caulking, refrigerators, hardware, painting and glazing, plastering, kalamein doors, dampproofing. Contract awarded Bowden Const. Co., 1607 Summer street, Philadelphia.

Two Pair Twin Residences, Drexel Hill, Pa. Architect, R. R. Neely, 2301 Spruce street, Philadelphia. Owner, A. B. Brewer, Drexel Hill, Pa. Frame and stucco, 2½ stories, 17x34 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded M. Corson Shallcross, York road and Windrim avenue, Philadelphia, who is ready for sub-bids.

Residence, Lawndale, Pa. Architect, R. R. Neely, 2301 Spruce street, Philadelphia. Owner, John Hemerle, care of architect. Frame, stucco, 2½ stories, 18x36 feet, hot air heat, electric light, slate roof, hardwood floors. Plans completed. Contract awarded M. Corson Shallcross, York road and Windrim avenue, Philadelphia, who is ready for sub-bids.

Bakery, Allentown, Pa. Architect, private plans. Owners, Freihofer Baking Co., Twentieth and Indiana avenue, Philadelphia. Brick, 1½ stories and basement, electric light, cement floors, hollow metal skylights. Contract awarded W. H. Gangwere, Allentown, Pa.

School, Huntingdon Valley, Pa. Architects, Druckenmiller & Williams, Otis Building, Philadelphia. Owners, Lower Moreland Township, W. Ridgeway, Huntingdon Valley, Pa. Stone, cut stone, 2 stories and basement,

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74x80 feet (plumbing, heating, electric separate), slag roof, mastic and maple floors, hollow tile, waterproofing, bond, ornamental iron work, metal lath, bluestone. Contract awarded Roy Randall, Jenkintown, Pa.

Residence (alts. and add.), Cynwyd, Pa. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owner, J. Iverson Boswell, Cynwyd, Pa. Carpentry and mill work, plastering, painting and glazing. Contract awarded Bennett McLaughlin Co., 3260 Ludlow street, Philadelphia.

Residences (2) and Garage, Ambler road, Elkins Park, Pa. Architects, Talhaimer & Weitz, 10 South Eighteenth street, Philadelphia. Owner, Stanley M. Getz, 6701 North Broad street, Philadelphia. Stone, 3 stories and basement, 24x42 feet, wing 14x17 feet, garage 20x20 feet, shingle roof, oak and pine floors, plumbing, hot water heat, electric light, tile work, ornamental iron work, flagstone. Contract awarded S. A. Sims, 2315 Walnut street, Philadelphia.

Garage, Haverford, Pa. Architects, McIlvaine & Roberts, Otis Building, Philadelphia. Owner, James Carstairs, Haverford, Pa. Brick, 1½ stories 61x30 feet, slate roof, cement floors, hot water heat, electric light. Contract awarded Metzger, Fisher & White, Otis Building, Philadelphia.

Fire House, Flourtown, Pa. Architect, A. H. Savery, 1309 Locust street, Philadelphia. Owners, Flourtown Volunteer Fire Company, L. C. Shannon, Flourtown, Pa. Stone, brick, hollow tile, stucco, 2 stories, 50x125 feet, slate and surface shingle roof, concrete, pine and hardwood floors, steam heat, electric light, plumbing. Contract awarded Chestnut Hill Const. Co., 8021 Winstron road, Philadelphia.

Bridge, Lenni, Pa. Architect, S. C. Hollister, Media, Pa. Owners, Delaware County Commissioners, Media, Pa. Reinforced concrete 80-foot arch. Contract awarded Whitaker & Diehl, Harrisburg, Pa., \$24,441.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Bradford County, R-241, Standing Stone and Wysox Townships, \$354,094.50. Contract awarded to Bryant & Kohl, Wilkes-Barre, Pa.

Crawford County, R-82, West Fallowfield Township, \$17,725.31. Contract awarded to C. B. Bracht, Titusville, Pa.

Dauphin County, R-139, Hummelstown Borough, \$108,558.25. Contract awarded to Swanger & White, Lebanon, Pa.

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New Jersey Construction News

Bank (alts. and add.), Camden, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, West Jersey Trust Co., C. H. Laird, vice-president, Third and Market streets, Camden, N. J. Interior alterations, cork and linoleum floors, elevators, iron stairs, vault, bronze work, tile and marble work, metal lath, electric lighting. Architects taking bids.

School, Westville, N. J., \$4,200. Architect, not yet selected. Owners, Westville School Board, Albert Cox, president of School Board, 105 Maple avenue, Westville, N. J. 4-room school. Details undecided. Jules Doriot, 1622 Chestnut street, president of Property Committee, receiving competitive plans. Will be built in spring 1926.

Stores, Residence and Restaurant, 911 Mississippi avenue, Atlantic City, N. J. Architect, D. A. Rosenstein, Humphrey Building, Atlantic City, N. J. Owner, Adi Nicomolonia, care of architect. Brick, 1 story add., general alterations. Preliminary plans in progress.

Stores, Apartments, Offices and Swimming Pool, Boardwalk, between Illinois and Kentucky avenues, Atlantic City. Architect, A. L. Brooks, Humphry Building, Atlantic City, N. J. Owners, Peikin Brothers, 1543 Boardwalk, Atlantic City, N. J. Fireproof, 6 stories, 70x300 feet, slag and tile roof, hollow tile elevators, roof ventilators, waterproofing and dampproofing, ornamental iron work, iron stairs, tile and marble, metal lath, steam heat, electric light. Plans in progress.

Hygeia Swimming Pool (alts. and add.), Atlantic City, N. J. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City. Owner, W. M. Harris, care of architect. Brick, fireproof, 2 story add., 80x150 feet, plumbing, tile and marble. Plans in progress.

Residence, Brigantine Beach, N. J. Architect, D. A. Rosenstein, Humphrey Building, Atlantic City. Owner, H. G. Harris, Guarantee Trust Building, Atlantic City. Brick, hollow tile and stucco, 2 stories, 58x69 feet, tile roof, hardwood floors, cut stone, tile and marble, electric light, hot water heat. Plans in progress.

Residence, Passaic, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owner, P. J. White, Passaic, N. J. Brick, stucco, 2½ stories, slate roof, hardwood floors. Preliminary plans in progress.

Stores and Apartments, Warren and Perry streets, Trenton, N. J. Architects, P. L. Fowler Company, 224 E. Hanover St., Trenton. Owner, N. A. K. Bugbee, 206 Hanover street, Trenton, N. J. Brick, 3 stories, 46x60 feet. Plans in progress.

Bank Building (add.), 2616 Federal street, Camden, N. J. Architect, J. C. Jefferis, Temple Building, Camden, N. J. Owners, East End Trust Co., on premises. Brick addition. Plans in progress.

Church and Sunday School, Wildwood, N. J. Architects, H. Rex Stackhouse and W. W. Donohue, 1120 Locust street, Philadelphia. Owners, Lutheran Church, Wildwood, N. J. Details undecided. Preliminary plans in progress.

Restaurant, Shops and Offices, Federal and Broadway, Camden, N. J. Architect, Ralph B. Bencker, 1418 Walnut street, Philadelphia. Owners, Mastbaum Brothers & Fleisher, 1424 South Penn Square, Philadelphia. Granite, stone and brick, 2 stories, 40x120 feet, 40x100 feet, slag roof, electric light, tile, marble and terrazzo work. Plans in progress.

Residence, Haddonfield, N. J. Architect, C. R. Peddle, 136 South Fourth street, Philadelphia. Owner, Ernest Potts, care of architect. Brick, 2½ stories. Plans in progress.

Children's Building, Camden, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, West Jersey Homeopathic Hospital, Camden, N. J. Brick, cut stone, reinforced concrete steel, 4 stories and basement, 54x38 feet, wing 60x37 feet, slag roof, composition, linoleum and cement floors (steam heat, electric light, plumbing separate), metal lath, tile and marble work, elevators, painting and glazing, metal ceilings, shoring, integral waterproofing, iron stairs, ornamental iron work, kalamein doors, bond, elevator doors, limestone, electric dumb waiters, bluestone, steel toilet partitions, incinerator. Architects taking bids due November 23rd.

Store and Apartment (alts. and add.), 1307-09-11 Pacific avenue, Atlantic City, N. J. Architect, A. L. Brooks, Humphry Building, Atlantic City, N. J. Owner, L. N. Agrons, care of architect. Brick, steel, 4 stories, 50x100 feet, slag roof, hardwood floors hollow tile, electric light, metal lath, tile and marble. Architect will be ready for bids in one week.

Residences (20), Merchantville, N. J. Architect, private plans. Owners, Suburban Home Realty Co., 325 Market street, Camden. Brick, stucco, 2 stories, 16x40 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Plans completed. Owners ready for sub-bids.

Bank, Moorestown, N. J. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Moorestown Trust Co., H. B. Coles, Moorestown, N. J. Brick, cut stone, steel, 1 story, basement and mezzanine, 85x42 feet, slag roof, cement, linoleum and oak floors, plumbing, roof ventilators, vapor heat, electric light, metal lath, tile, marble and terrazzo work, bond, ornamental iron work, metal lath, metal lockers, area grat-

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ings, ornamental bronze, ornamental plaster. Architects taking bids due November 25th, 3 P. M., at Moorestown, N. J.

Private Patients' Building, Camden, N. J. Architects, Morris & Erskine, 1716 Cherry street, Philadelphia. Owners, The Cooper Hospital, Camden, N. J. Brick, reinforced concrete, steel, stone, 3 stories and basement, 13 feet 4 inches x 81 feet (plumbing, heating, electric elevators, dumb waiter reserved), slag roof, cement and linoleum floors, hollow tile, roof ventilators, metal weather strip, shoring, Aquabar waterproofing, metal lath, marble and terrazzo work, rolled steel sash, fire and kalamein doors, bond, iron stairs, ornamental iron work, limestone, granite, mackite partitions, metal corner beads, steel partitions, rubber floors. Architects taking bids due November 23rd.

Residence and Garage, Derby avenue, Ventnor, N. J. Architects, Druckenmiller & Williams, Otis Building, Philadelphia. Owner, Mrs. M. Matthews, Ventnor, N. J. Brick, 3 stories, 24x56 feet, garage, 22½x29½ feet, tile roof, hardwood and cement floors, vapor heat, electric light, tile work. Architects taking bids due November 23rd, 4 P. M.

Residence, Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton. Owner, Louis Winkler, 250 Highland avenue, Trenton, N. J. Brick, 1½ stories, 30x50 feet, slate roof, hardwood floors, tile work (heating, plumbing and electric reserved). Architect taking revised bids.

Store (alts. and add.), Atlantic City, N. J. Architect, D. A. Rosenstein, Humphry Building, Atlantic City. Owner, Louis Perlstein, 1223 Arctic avenue, Atlantic City. Brick, stucco, 3 stories, 35x85 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Architect taking bids due November 25th.

Bank Building, Burlington, N. J. Architect, Henry A. Brown, Burlington, N. J. Owners, Mechanics' National Bank, Burlington, N. J. Brick, cut stone, granite, steel, 2 stories, basement and mezzanine, 102x44 feet (plumbing, heating, electric separate bids), slag roof, cement, composition and maple floors, hollow tile, metal lath, marble and terrazzo work, floor hardener, ornamental iron work, iron stairs, Truseon waterproofing, ornamental terra cotta, armored vaults, steelcrete, blue-stone, cork tile, rubber tile floors, ornamental plastering, imitation travertine, area gratings. Architect taking bids due November 28th.

Bank, 1800 Broadway, Camden, N. J. Architects, Lackey & Hettle, 5 Hudson avenue, Camden, N. J. Owners, Camden Trust Co., Camden, N. J. Stone, 1 story, 70x90 feet, slag roof, cement floors. Architects taking approximate bids due as soon as possible.

Residence and Garage, Woodbury, N. J. Architect, Charles R. Peddle, 120 South Fourth street, Philadelphia. Owner, Mrs. Helen K. Knight, care of architect. Frame, 2½ stories, 27x44 feet, 18x20 feet, shingle roof, hardwood and cement floors warm air heat, electric light, tile work. Architect taking bids due November 23rd.

Buildings, Trenton, N. J. Architects, Department of Institutions and Agencies, Trenton, N. J. Owners, New Jersey State Hospital for Insane, Trenton, N. J. Low bidders: Convalescent Building—Thomas Day & Son, Hunt Building, Trenton, N. J., \$100,000; Wills, Bill Co., 1706 Sansom street, Philadelphia, \$101,230. Plumbing, J. T. Evans, Wilkes-Barre, Pa., \$6,444.32. Heating, J. T. Evans, Wilkes-Barre, Pa., \$1,040.47. Electric, Randolph Electric Co., Trenton, N. J., \$2,040.

Doctors' Residence—Wills, Bill & Co., 1706 Sansom street, Philadelphia, \$80,440; C. J. Smith Const. Co., Camden, N. J., \$86,270. Plumbing, H. N. Martindale, Trenton, N. J.,

\$8,898. Heating, J. T. Evans, Wilkes-Barre, Pa., \$4,054.35. Electric, Jackson Electric Co., Trenton, N. J., \$2,690.

Nurses' Residence—Wills, Bill Co., Philadelphia, \$50,740. Plumbing, J. T. Evans, Wilkes-Barre, Pa., \$6,913.10. Heating, J. T. Evans, Wilkes-Barre, Pa., \$4,141.98. Electric, Jackson Electric Co., Trenton, N. J., \$1,590.

Psychopathic Building—Wills, Bill Co., 1706 Sansom street, Philadelphia, \$110,440. Plumbing, J. T. Evans, Wilkes-Barre, Pa., \$14,777.19. Heating, J. T. Evans, Wilkes-Barre, Pa., \$3,359.89. Electric, Jackson Electric Co., Trenton, N. J., \$2,180.

Residences (10), 100-18 Terrace avenue, Camden, N. J., \$45,000. Architect, private plans. Owner, Paul J. Everly, 253 South Twenty-seventh street, Camden, N. J. Brick, 2 stories, (2) 16x40 feet, (8) 18x32 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Residences and Stores (2), 3301-03 Highland avenue, Camden, N. J., \$10,000. Architect, private plans. Owner, Peter Kovalenko, Blackwood, N. J. Brick, 2 stories, 18x55 feet and 16x55 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Viaduct, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. City of Jersey City, Route No. 1 Extension, between Jersey avenue and Palisade avenue, 2,300 feet. Concrete covered steel, reinforced concrete arches, wood and concrete piling, caissons, granite block paving. Owners taking bids due November 24th at noon. \$50 deposit required (refunded). Certified check for \$75,000 required.

New Jersey

Contracts Awarded

Bank (alts. and add.), South Broad street, Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton. Owners, Mercer Trust Co., W. G. Howell, treasurer, Trenton, N. J. Stone, 1 story, 43x60 feet, slag roof, tile floors, heating extension, electric light, tile and marble, roof ventilators, metal guards. Contract awarded to Harrison & Fisher, 242 Cayler avenue, Trenton.

Residence, Ventnor, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City. Owner, H. Williams, Atlantic City, N. J. Cinder block and stucco, 2½ stories, 26x42 feet, tile roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to Wochner & Brander, 1917 McKinley avenue, Atlantic City, N. J.

Residence, Linwood, N. J. Architect and owner, A. L. Brooks, Humphry Building, Atlantic City. Brick, frame, stucco, 2½ stories, 30x26 feet, tile roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to Philip G. Hannum, Georgia avenue and Thorofare, Atlantic City, N. J.

Residence (alts. and add.), Moorestown, N. J. Architect, J. Fletcher Street, 1120 Locust street, Philadelphia. Owner, Wilford N. Wolcott, Moorestown, N. J. General interior alterations, new bath room addition, hot water heat, electric light, tile and marble work, hardwood floors, plumbing, carpentry and mill work, painting, interior decorating. Contract awarded to J. McVaughan, Elverton, N. J.

Residences (8), 1040-48 North Nineteenth street and 1117-21 North Eighteenth street, Camden, N. J., \$40,000. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, H. Shifren, Camden, N. J. Block and brick, 2 stories, 15x36 feet 6 inches, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Philip Altschlaue, 345 Wolf street, Philadelphia.

Miscellaneous Construction News

Residence, New Haven, Conn. Architect, Ralph B. Bencker, 1418 Walnut street, Philadelphia. Owner, C. Albert Kuehnle, Northwest Corner Seventeenth and Vine streets, Philadelphia. Frame and stone, 2½ stories, 60x125 feet, shingle roof, hardwood floors, electric light, tile and marble work. Plans in progress. Owner will take sub-bids from local concerns.

Hotel Building, York Cliffs, Me. Architect, Henry L. Reinhold, Jr., 1513 Walnut street, Philadelphia. Owners, H. K. Read and A. C. Durant, 501 Fifth avenue, New York City. Rooms, 200. Preliminary plans in progress.

Plant, Parkersburg, W. Va. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Viscose Co., Marcus Hook, Pa. Brick, reinforced concrete steel, 1 story, 451x144 feet, slate, slag and shingle roof, composition and cement floors, hollow

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tile, plumbing, safety treads, roof ventilators, metal weather strip, waterproofing and damp-proofing, metal lath, tile, marble work, rolled steel sash, saw-tooth skylights, fire and kalamain doors, bond, floor hardener, iron stairs, ornamental iron work, asphalt mastic floor, area gratings, caulking, rolled steel shutters, steel partitions. Architects taking bids due November 29th.

Proposals

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 30, 1925. Sealed Proposals will be opened in this office at 3 P. M., November 30, 1925, for the mechanical equipment of buildings, and outside services, at the Federal Industrial Institution for Women, for the Department of Justice at Alderson, W. Va. Drawings and specifications may be obtained at this office in the discretion of the Supervising Architect. Proposals will be considered only from individuals, firms or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract, and who have established a record for expedition on contracts of similar character and magnitude. The fact that any concern obtains a set of the plans and specifications from any

source whatever and submits a bid shall not constitute a waiver of the forgoing stipulations. James A. Wetmore, Acting Supervising Architect.

Sealed and separate bids or proposals will be received by the Board of School Directors of the School District of the City of York, Pennsylvania, for the installation of the electrical work and heating and ventilating of the Senior High School Building to be erected on the plot of ground lying at the northwest corner of West College Avenue and South Beaver street, York, Pa. The proposals must be submitted separately for the Electrical Work, and Heating and Ventilating—all in accordance with plans, drawings and specifications prepared by John B. Hamme, Registered Architect, York, Pa. A certified check equal to 5% or an acceptable Surety Company bond equal to 10% of the aggregate amount of the bid must accompany each proposal to guarantee acceptance of contract if awarded.

An acceptable Surety Company bond equal to the full amount of the contract will be required of the successful bidders.

Plans and specifications may be secured from David N. Crider, Secretary of the Board of Directors, in the Central School Building, corner of West King Street and Cherry Alley, York, Pa. A deposit or certified check for \$50 must accompany applications for each

set of the Electrical Work, or Heating and Ventilating plans and specifications, \$35 of which will be returned for each set when plans and specifications are returned accompanied with a bid.

In case no bid is received the entire amount of the deposit or check will be forfeited.

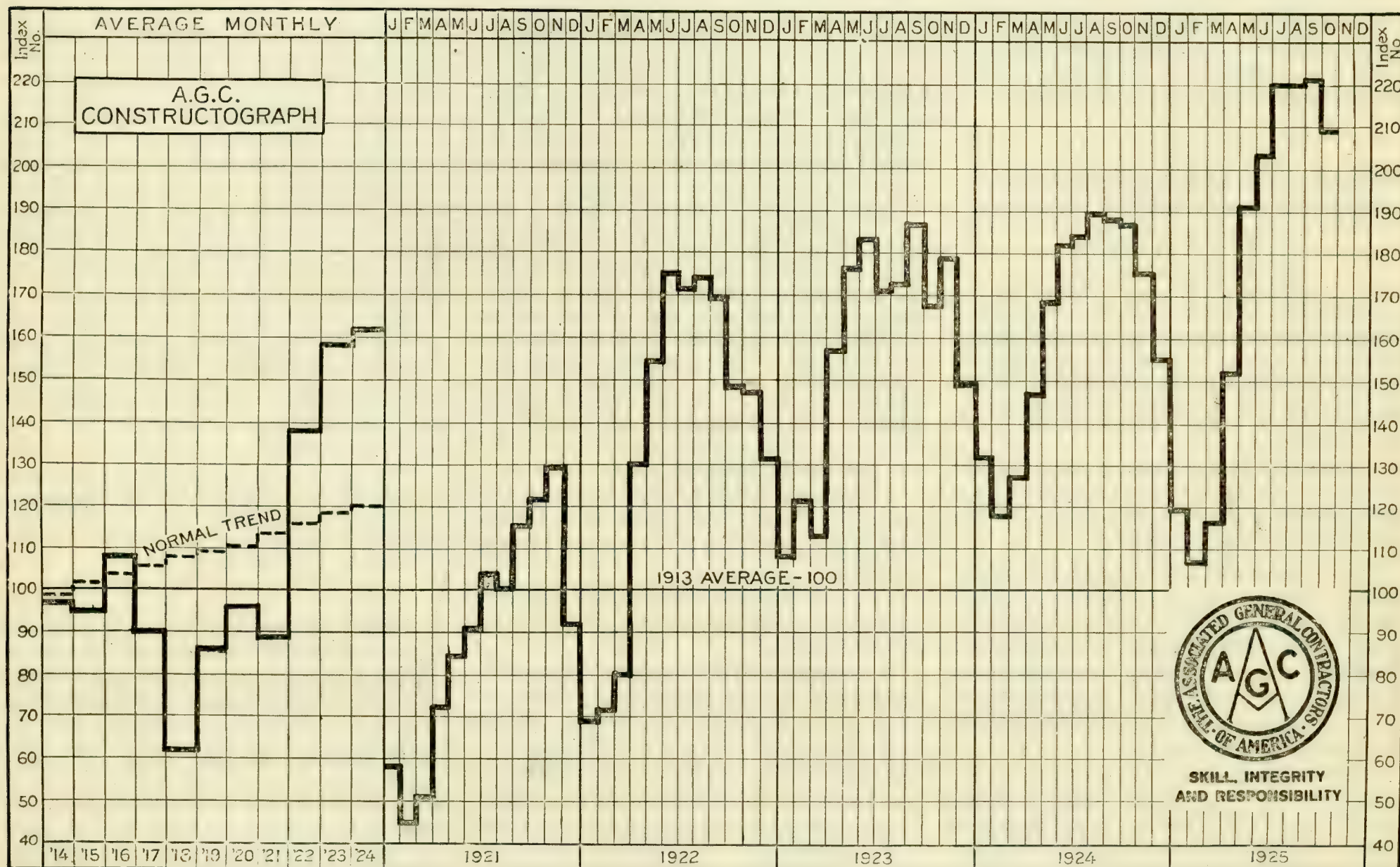
On or about Nov. 9, 1925, plans and specifications will be delivered to persons making application in accordance with the above requirements. Plans and specifications will be on view in the office of John B. Hamme, Registered Architect, Citizens' Savings and Trust Building; in the office of M. O. Lewis, Superintendent of Buildings and Grounds, in the Central School Building, York, Pa., and at the Builders' Exchanges in Philadelphia, Pa., and Baltimore, Md.

All bids must be signed, sealed, properly marked with name of contract bid upon and delivered to David N. Crider, Secretary, Central School Building, York, Pa., not later than 1 o'clock P. M., of Friday, November 20, 1925. All proposals received after the time advertised for receiving bids will be returned unopened.

The right is reserved to reject any and all bids.

EDWARD W. NEUMAN,

Chairman of the Committee on Buildings, Grounds and Fuel, of the Board of School Directors of the School District of the City of York, Pa.



The seasonal decline in construction operations has made its appearance, according to conclusions drawn from statistics compiled by the Associated General Contractors of America. The decline is robbed of some of its significance this

year, however, because the volume of construction still holds an abnormally high position close to the record-breaking heights it reached during the summer.

Though the volume of construction performed during October was five per cent

smaller than the amount shown for September, it was great enough to set a new record for the month.

The total volume of construction performed during the first ten months of 1925 exceeds by eight per cent the figure

for the corresponding period in 1924.

The average of construction costs in the principal building centres declined one point during October, reaching the lowest position occupied since the spring of 1923 and registering a drop of five points since July. The scale based on 1913 costs, shows the index figure for October to be 209.

The average of wages declined two points during October, reaching the index number, based on 1913, of 224. Although the month saw numerous small fluctuations in prices paid by contractors for the basic construction materials, the average of prices remained unchanged in October.

September was the seventh consecutive month in which contracts awarded exceeded by a considerable margin all previous records for a corresponding month. The total volume of contracts awarded during the first nine months of 1925 was thirty per cent greater than the volume awarded during the first nine months of 1924. The volume of building permits issued during September was seven per cent smaller than the August volume.

The total of concrete surface pavement awards, including streets, alleys and roads, for the first nine months of 1925 was eighteen per cent greater than the corresponding volume in 1924.

GREAT HILLIARD BRIDGE IS ENDURING MONUMENT TO RAIL STEEL BARS

By EDWIN F. PAYNE

Regarded as one of the outstanding engineering achievements of 1925 and a monument to rail steel reinforcing bars is the great Hilliard Road Bridge at Cleveland which will be opened to traffic in the near future.

This 1,000 foot structure spanning the gorge of the Rocky River links up in a much better way the main section of the city with its western district.

Beside its traffic advantages, the bridge marks another step in the amazing development of reinforced concrete construction in the United States in recent years. Probably no other form of construction has so proved its limitless possibilities as this. Apparently there are no boundaries to its field of usefulness.

The Hilliard Road bridge stands 140 feet over the river valley and its 25,000 cubic yards of concrete are reinforced with 730 tons of rail steel reinforcing bars—a material recognized by the engineering and architectural professions as of the highest standard.

This tough high elastic limit steel was selected for the structure by the engineering department of Cuyahoga County and was incorporated in the structure by the Walsh Construction Company. The de-

cision to use it was based on the results of many laboratory tests and on the record of its entire dependability as shown in countless building operations throughout the country.

The concrete was given frequent tests and showed ability to carry an enormous load while the rail steel bars conform to the specifications of the American Society for Testing Materials which provide a minimum tensile strength of 80,000 pounds per square inch.

The Walsh Construction Company injected several interesting engineering features into the building of this striking structure. With a height of 140 feet, the center span is 220 feet and the two main flanking spans are 189 feet each. The approaching arches are thirty foot span and the bridge is eighty feet wide over all.

On the construction, cableway installation was used, the mixers being fed by gravity from bins placed at the level of the roadway bridge.

Especial ingenuity was exercised in the type of centering used for the large spans. These consisted of four ribs each and it was at first contemplated to provide centering for one rib only throughout.

However, as specifications provided for centering being left in place for thirty days after the concrete was poured, this meant that approximately four months would be consumed in pouring the four arch ribs on the three large spans.

The construction company had at hand a number of steel centers designed for 140 foot spans. These centers were utilized, being supported on wood towers with frame bents on top of the centers to meet the requirements of the intrados as designed. The centering thus was placed for two ribs throughout at no greater cost than would have been the case had new centering been provided for one rib throughout only.

The result of this plan was that the four ribs on the main span were poured in a little over sixty days instead of four months.

It is estimated that enough concrete was used to build a six inch base for ten miles of streets.

It is apparent that rail steel reinforcing bars would not be specified for such projects as the Hilliard Road bridge, for the new huge grain elevators in Buffalo, for the waterworks projects now under way in Cincinnati, Washington, D. C., and St. Louis unless their dependability had been well established by scientific tests and by usage extending over more than a quarter of a century.

These bars are manufactured under the most modern practice. Taken from steel rails which in themselves have been subjected to every safeguard in making, they are again, in every step through the rail steel mills, under the keen eyes of experts.

There is no part of the manufacture of reinforcing bars from rails that is not supervised by men trained in the latest ideas of steel making.

When purchased from the railroads the material is subjected to the closest scrutiny. This inspection is continued as the rails are taken from the stacks in the mill yards to be cut into suitable lengths for heating. Imperfections which may have escaped the eye during buying, are quickly detected and the rail goes into a pile which will be sold to the junk dealer for smelting purposes.

Heating is watched with the utmost care, as no process of bar making requires keener attention. Through the slitter which slices the rail into three parts, head, web and flange, through the rolls, along the hot beds and until the bars finally lie in piles in the warehouse, some skilled worker is always on guard to insure perfect heating and handling, assuring the consumer as near 100% perfect reinforcing bars as is possible today.

As further guarantee of the perfection of its reinforcing bars, the Rail Steel Bar association has gone a step in advance of any similar group. It has adopted the system of free interchange of information regarding metallurgical and mechanical developments among its members.

In all of the mills of the association are employed metallurgical and mechanical experts who constantly are studying ways of improving rail steel products. In one mill an expert may work out an idea in furnace design that gives a more uniform or ideal temperature with a heat control more positive than in usual practice. In another mill the mechanical genius will develop rolling or hot bed methods of advantage to the finished product as well as to the industry. All these improvements and discoveries are relayed to the mills of this association.

The result, of course, is a uniformity of product impossible in associated groups where such interchange of information is not the practice.

All live men are advertisers, and the only man who should not advertise is the man who has nothing to offer to the world in the way of human service, and such a man is a dead one, whether he knows it or not. Advertising is a legitimate and ethical proposition. Life is too short for you to hide yourself away, mantled in your modesty, and let the world hunt you out. Even the dead are advertisers, for on visiting a beautiful cemetery the other day, I noticed that on nearly every marble slab was given a list of the virtues, talents and beautiful qualities which the dead man was supposed to have carried in stock. This is what you call non-productive advertising, or advertising from an emotional standpoint.—Elbert Hubbard.

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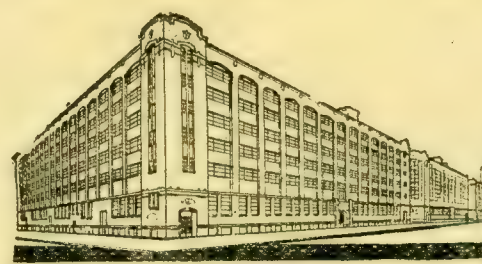
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Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XL, No. 47
November 25, 1925

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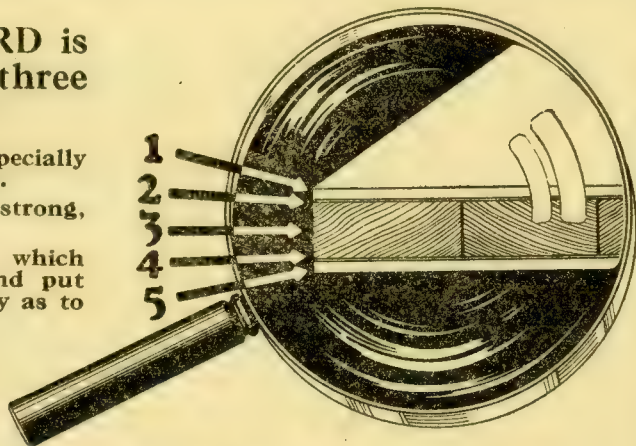
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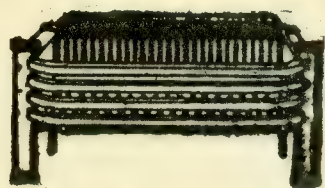
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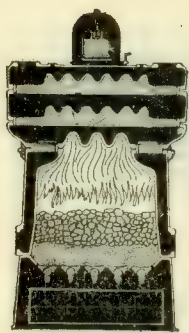
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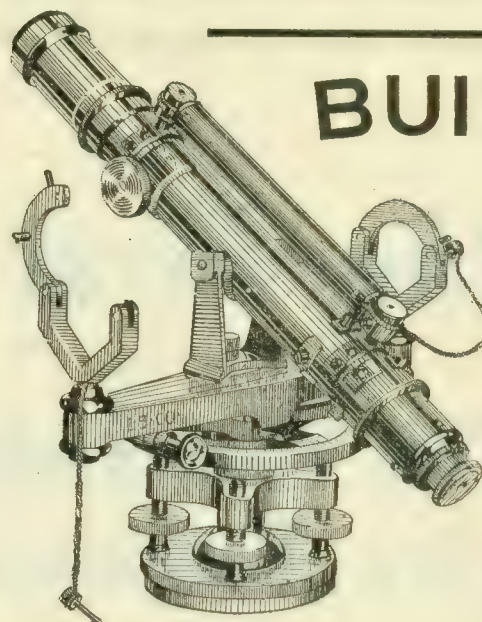
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PHILADELPHIA

November, 25 1925

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As The Editor Sees It



THE EXODUS OF THE AMERICAN HOME

To the Country or to the Villages That Rim All Large Cities

BY JAMES A. KING

Another luxury of the rich is fast becoming a necessity to the man with a modest income—more of us city slaves are living in country homes. Vastly more of us will do so within the next ten years. If you want to be strictly in the swim of fashion by the time your home is paid for, build it in the country—or at least in one of those many tiny villages that rim all the large cities. By doing this now you will have the social advantage of being one of the old settlers by the time the movement has become general.

During the first four-fifths of the nineteenth century American population went through a decentralizing movement. Our forefathers broke through the barrier of the Appalachian mountains and scattered out over the vast continent lying to the west of that natural dyke. The economical, mental and spiritual readjustment following the Civil war stimulated this movement greatly.

The common urge was to own economically independent homes. This movement kept on until the Mississippi valley, the Great Plains, and the Pacific Coast valleys were dotted thick with them. In this process, a surplus of basic economic goods and raw materials was produced,

and mid-continent social development got out of balance.

Crowded Into Cities

To equalize this situation towns sprang up hither, yon, and everywhere. Little shops in these towns and villages expanded into great industries. Towns grew into cities. Children who developed into maturity under the isolated conditions of pioneer farm life longed for closer contact and more intimate association with their fellows. So they moved into town and city until population became more and more concentrated and centralized. Manufactured wealth multiplied many fold. Life became intricately subdivided and specialized. Occupation for wage became unstable and uncertain. Finally our social and economic development got somewhat out of balance on the other side.

Man is a social animal. He is also a rural animal. For countless millions of years he lived close to nature. So long, in fact, that he still has a strong and instinctive desire for open spaces and clean air. No sooner did those boys and girls from the lonesome pioneer farms get their hooks firmly into some good job in the city, and satiate their accumulated hunger for companionship of the herd, than they wanted to live at least in sight of—if not actually out in—the country.

The canal boat and the railroad had broken down the wall of the Appalachian range which held back their forefathers.

These brought their grandparents and their parents out into the west in that great decentralizing movement of a century ago. Now the telephone, the rural mail delivery, the cheap automobile, good roads, consolidated schools with free transportation for the pupils, bus and interurban lines, and the radio with Thor-like blows have broken down and annihilated the physical, mental and spiritual barriers that made country life of a generation ago so discouragingly isolated.

Now Moving to the Country

In rapidly increasing numbers the younger married people with small children growing up are moving out of the cities. Not to work in the country—but to live in it. To live out where the air is clean, where there is less noise, where their children can play in the open without going out into the streets, where they can raise a radish and keep a hen, where there are no "Keep Off the Grass" signs, where there is less of that demoralizing influence of the gang and the herd. Out where their home can be self-supporting for a considerable period of time when the exigencies of unemployment make this necessary.

Within a single century the American race has traveled one complete round of that gigantic circular stairway by which it is climbing to newer levels of a richer life. Our population decentralized, then it centralized again. Instead of simply getting back to where it was a century

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ago, the American race has gone far upwards toward its goal of a better civilization. It has conquered a continent. It has unlocked and appropriated to its own use the vast storehouses of treasure contained therein. It has given to each American a much larger volume of economic goods than is had by the average citizen of any other nation on earth.

Now our population is starting out on another great decentralizing movement. One that is pregnant with possibilities of still greater achievement. It will break down the artificial barriers that have too long separated the town dweller from his own skin-brother who lives in the country. It will fill up many of the voids in our social structure. It will weld the entire mass of our population into a more stable and a more homogeneous whole.

Good roads and automobiles so cheap that almost any family can own one are not going to kill the little towns and villages situated near the cities. They will bring people from the cities out to live in or near these villages.

That is the trend of our population today. Most people who can would rather live out in the quietness and the purer air of the open country or the small village and drive into the city for an occasional mild debauch than to live in the dirt, the grime and the noise of the city and drive out into the country on Sunday for a breath of fresh air. This is not idle theorizing. It is recognizing the early stages of a movement that has already made an appreciable beginning.

Bankers and real estate men of the small villages forming a fringe about every large city tell me they already recognize this tendency. City people of modest means are coming out into these villages, buying lots within the village—or acreage adjoining it—and building homes on them.

There are sound reasons for this decentralizing movement. The price of a good lot on a paved street near a business center in the city will buy two or three

larger lots or even a quarter block on the pavement—or just off it—in the village. It will buy one or more acres on a paved highway just outside. The same house with the same conveniences and comforts can be built for the same price,—or even for less money.

Time, not distance, determines how far one lives from his work. The family that can finance a flivver can move out a mile for every two or three blocks father now walks to work, and get there in practically the same time now consumed.

Business itself is decentralizing rapidly, and this will help materially to decentralize population. High rent of the congested down town districts of the cities where land values are sky high is stimulating the construction of office buildings miles out on carlines and boulevards where land values are only a fraction of what they are in the down town section. Factories are moving out of the metropolitan cities into the suburbs and even into the smaller cities that have good transportation facilities.

This decentralization has already gained noticeable momentum. In a very few years it will have grown into a flood-tide epoch, making movement of our population.

Right now is an excellent time to build your country home. Land prices are still low; as the movement gets stronger they will go higher. If you are living in a large city, choice locations are still available really quite close in. If you are living in the smaller cities and towns farmers will welcome you, will sell you an acreage near their own building site at a very modest price in order to have the companionship of a nearer neighbor. That neighboring will make better citizens of both of you.—*The Small Home.*

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Advance Construction News

CONTEMPLATED CONSTRUCTION: ARCHITECTS AND OWNERS: LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Parish Buildings, Springfield avenue and Farragut Terrace, Philadelphia. Architects, Henry D. Dagit & Son, 1329 Race street, Philadelphia. Owners, St. Francis De Sales, Rt. Rev. Bishop M. J. Crane, Forty-seventh and Springfield avenue, Philadelphia. Stone, brick. Details undecided. Sketches will be started.

Store, Residences (2), Garage, East Thompson and Cambridge streets, Philadelphia. Architect, Benjamin Shulman, 1722 Arch street, Philadelphia. Owner, J. Kurrowski, on premises. Brick, steel. Plans completed.

Residences (43), Roosevelt Boulevard and F street, Philadelphia. Architect, H. H. Kline, Bulletin Building, Philadelphia. Owner, Benjamin Zorocoff, 7048 North Broad street, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, hardwood and cement floors, hot water heat, electric light, metal lath, tile work, garages in basement. Architect and owner taking sub-bids due at once.

Synagogue, Fifty-eighth and Warrington avenue, Philadelphia. Architect, J. S. Fuller, 5438 Locust street, Philadelphia. Owners, Congregation Beth-Am, care of architect. Auditorium, basement and balcony, 62x88 feet. Bender & Raider, 201 Shubert Building, Philadelphia, want sub-bids at once on the following: Excavation, stone, concrete and reinforced concrete, cement, brick, ornamental terra cotta, Indiana limestone, structural steel, ornamental iron, plastering, metal lath, Morene, lumber, mill work, leaded glass, electric, vapor heat, plumbing, maple floors, slag roof. Work to start in ten days.

Store (alts.), 1020-22-24 Market street, Philadelphia, \$30,000. Architects, Construction Department, Wilkes-Barre, Pa. Owners, F. W. Woolworth Co., Wilkes-Barre, Pa. Bond, concrete work, cement floors, dampproofing, brick work, granite, steel work, steel stairs, rolling steel doors, iron grills, maple floors, built-up roof, kalamein doors, art marble work, plastering, hardware, metal ceilings, tile and marble work, elevators (3), plumbing, electric work. Permit granted.

Senior High School, Media, between Fifty-third and Peach streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, cut stone, steel, granite, reinforced concrete, 4 stories and base-

ment, 268x160 feet (plumbing, heating, electric, ventilating, elevators separate bids), promenade tile, asbestos slate and composition roof, cement, maple, pine and oak floors, hollow tile, safety treads, roof ventilators, metal weather strip, metal ceilings, shoring, membrane waterproofing, dampproofing, painting and glazing, metal lath, tile, marble and terrazzo work, rolled steel sash and skylights, bond, floor hardener, iron stairs, ornamental iron work, metal corner beads, sheet piling, incinerator, area gratings, steel rolling doors, steel partitions, ornamental plaster, leaded glass. Owners taking bids due December 1st at noon.

Sales and Service Building, 3221-39 North Broad street, Philadelphia. Architect, Philip S. Tyre, 114 South Fifteenth street, Philadelphia. Owners, Packard, Inc., Southeast Corner Broad and Wood streets, Philadelphia. Brick, steel, reinforced concrete, limestone, east stone, granite, 4 stories and basement, 265x200 feet, slag roof, cement floors, hollow tile, elevators, safety treads, painting and glazing, shoring, R. I. W. waterproofing, ornamental iron work, iron stairs, floor hardener, fire doors, copper skylights, rolled steel sash, tile, marble work, metal lath, bronze doors, ramps, dumb waiter, area gratings, sheet piling. Architect taking bids due November 27th.

Warehouse (restoration), 1015-17 Frankford avenue, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, E. A. Smith & Son, on premises. Brick, reinforced concrete, steel, 1 story, 108x100 feet, slag roof, cement floors, painting and glazing, electric light, rolled steel sash and skylights, ornamental iron work. Architects taking bids due November 30th, 11 A. M.

Apartment Houses, Wynnefield, Pa. Architect not yet selected. Owner, Dr. Louis S. Baron, 712 Porter street, Philadelphia. Brick, 6 stories, 120 apartments. Work contemplated.

Manufacturing Buildings, Harper's Station, near Fox Chase, Pa. Owners, National Milling & Chemical Co., on premises. Fire rebuilding. Work contemplated. Too early for details.

Swimming Pool, Eighth and Green streets, Philadelphia. Architect, Carl P. Berger, 1512

Walnut street, Philadelphia. Owners, Department of Public Works, Bureau of Recreation, 595 City Hall. Construction of swimming pool, electric and plumbing. Owners taking bids due November 27th at noon. Certified check 5 per cent. of bid.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Water, 216 City Hall. Owners taking bids due December 1st at noon. 783, furnish and lay small pipe lines; 787, furnish and deliver wash water troughs for Torresdale Filter; 788, sand cleaning machine for Belmont Filters; 789, intake screens for Queen Lane Pumping Station. Certified check, 5 per cent. of bid. Inquire Room 788.

Church (fire repairs), Dauphin and Tulip streets, Philadelphia. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Summerfield Methodist Episcopal Church, Mr. G. Luff, Chairman Building Committee, 2342 East Dauphin street, Philadelphia. Sheet metal work, painting and glazing, plastering, mill work, carpentry, cement and concrete work, stone work, electric light. Architect selected. Plans in progress.

Residences (34), Marsden and Friendship streets, Philadelphia, \$6,000 each. Architect, private plans. Owner, Harry A. Lipkin, 1611 Walnut street, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residences (24), Fourth street, Champlost avenue and Nedro street, Philadelphia, \$111,500. Architect, private plans. Owners, John M. Snyder & Son, Fourth and Nedro avenue, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residence, Northwest Corner Fortieth and Cambridge streets, Philadelphia, \$9,000. Architect, private plans. Owners, Babis & Bender Const. Co., 201 Shubert Building, Philadelphia. Brick, 3 stories, 16x60 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Permit granted.

Residences (2), 7344-46 North Dorcas street, Philadelphia, \$7,000. Architect, private plans. Owner, Henry Hofmaier, 7342 North Dorcas street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

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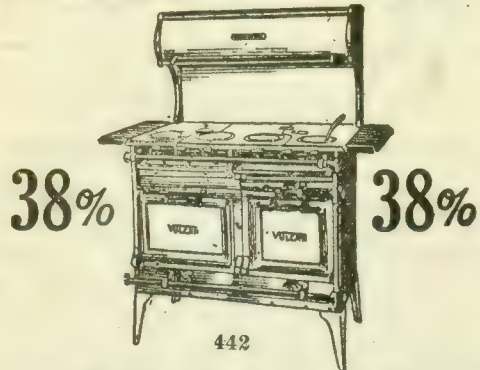
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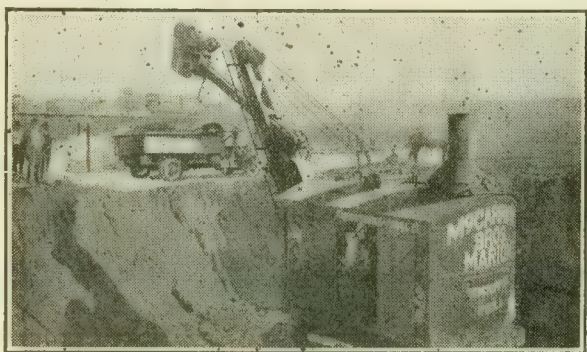
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Substation (alts.), Southeast Corner Thirty-third and Market streets, Philadelphia, \$5,000. Architect, private plans. Owners, Philadelphia Rapid Transit Co., 810 Dauphin street, Philadelphia. General alterations. Permit granted.

Residences (4), North side Hartel street, West of Hasbrook street, \$5,000 each. Architect, private plans. Owner, Gustav Weber, 401 Chandler street, Philadelphia. Brick and frame, 2 stories, 40x22 feet, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residences (62), Shisler, Van Kirk and Comly streets, Philadelphia, \$313,000. Architect, private plans. Owner, A. Singer, 37 South Fifty-ninth street, Philadelphia. Brick, 2 stories, (4) 16x43 feet, (58) 15x30 feet, 11x12 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residence, South side Hellerman street, East of Comly street, Philadelphia, \$6,800. Architect, private plans. Owner, H. Mutchler, 1117 Roy street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residences (4), Wharton and Ringgold streets, Philadelphia. Architect, private plans. Owner, Joseph Padolese, 1446 South Sixteenth street, Philadelphia. Brick, 2 stories, various sizes, slag roof, pine floors, hot water heat, electric light. Permit granted.

Residences (2), West side Fifty-first street, North of Woodbine avenue, \$10,000 each. Architect, private plans. Owners, Suburban Development Co., Franklin Trust Building, Philadelphia. Stone, 3 stories, 26x60 feet, slate roof, hardwood and pine floors, steam heat, electric light, tile work. Permit granted.

Residences (5), South side Mentor street E. of Ella street, Philadelphia, \$5,000 each. Architect, L. E. Binns, 511 West Duncannon street. Owner, Howard H. Heilemann, 5239 North Front street, Philadelphia. Brick, 2 stories, 15x28 feet, 12x10 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Garages (6), West side Torresdale avenue, South of Unruh street, \$3,000. Architect, private plans. Owner, A. Rozen, 521 Porter street, Philadelphia. Brick, 1 story, 13x15 feet, cement floors, slag roofs. Permit granted.

Residence, East side Milton street, South of Gorgas Lane, \$15,000. Architect, private plans. Owners, Johnson & Talley, McMahon Building, Germantown, Philadelphia. Stone, 3 stories, 27x40 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Permit granted.

Residence, South side Longshore street, West of Oakley street, \$5,500. Architect, private plans. Owner, Hyman Korman, Oxford avenue and Levick street, Philadelphia. Frame, 2 stories, 16x25 feet, 20x15 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residences (16), Glen Echo Road, East of McCallum street, \$5,000 each. Architect, private plans. Owner, H. H. Rosen, 515 Pelham Road, Philadelphia. Brick, 2 stories, 16x43 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residences (2), East side Lawndale avenue, South of Levick street, \$4,000 each. Architects, Penwood Company, 131 North Fifteenth street, Philadelphia. Owner, Samuel Capkin, 6134 Media street, Philadelphia. Brick, 2 stories, 16x38 feet 6 inches, slag roof, pine floors, electric light. Permit granted.

Residence (alts. and add.) to Office and Apartment, 1441 South Broad street, Architect, Sol. Kaplan, 10 South Eighteenth street, Philadelphia. Owner, Dr. M. Ginsberg, on premises. Brick, 3 stories, 10x18 feet, slag roof, hardwood floors, hot water heat, oil burning, electric light, tile work. Architect taking bids.

Residences (97), Loring, Edmund and Bleigh streets, Philadelphia, \$6,000 each. Architect, private plans. Owner, H. Bailey Mercer, 1611 Walnut street, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residences (7), Torresdale avenue and St. Vincent street, Philadelphia, \$35,000 total. Architect, private plans. Owner, Ralph Cerino, 7041 Mower street, Philadelphia. Brick, 2 stories, (1) 18x52 feet, (6) 15x32 feet, 12x20 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Museum Approach, Fairmount Park, Pa. Architects, Borie, Trumbauer & Zantlinger, 1406 Land Title Building. Owners, Commissioners of Fairmount Park, City Hall, Philadelphia. Low bidders: Sandstone—A. S. O'Neill, 127 East Mermaid Lane: Item A, \$340,000; Item B, \$225,000; total, \$565,000; George A. Fuller, Morris Building, Philadelphia—Item A, \$349,000; Item B, \$229,000; total, \$578,000. Mooseabec Granite: A. E. O'Neill, 127 East Mermaid Lane, Philadelphia—Item A, \$435,879; Item B, \$305,572; total, \$741,451; George A. Fuller Co., Morris Building, Philadelphia—Item A, \$460,000; Item B, \$298,000; total, \$758,000. Lockport Green Granite: A. S. O'Neill, 127 East Mermaid Lane, Philadelphia—Item A, \$376,599; Item B, \$243,787; to-

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tal, \$620,386; George A. Fuller Co., Morris Building, Philadelphia—Item A, \$401,000; Item B, \$234,000; total, \$635,000. Somersound Granite: A. S. O'Neill, 127 East Mermaid

Lane, Philadelphia—Item A, \$345,569; Item B, \$294,511; total, \$640,091; George A. Fuller Co., Morris Building, Philadelphia—Item A, \$359,000; Item B, \$286,000; total, \$645,000.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Banking Quarters' Equipment, Broad and Arch streets, Philadelphia. Architects, Denison & Hiron, Lexington avenue, New York City. Owners, Liberty Title & Trust Co., Broad and Arch streets, Philadelphia. Marble and tile work, bronze work, mill work, miscellaneous iron work, plastering, ornamental plaster, brick work, hollow tile partitions, painting and glazing, rubber tile floors, linoleum, electric clocks, electric fixtures, metal furniture. Contract awarded Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Residences (4), West side Rector street, South of Mitchell street, \$25,000 total. Architect, private plans. Owner, E. J. White, 1313 Stephen Girard Building, Philadelphia. Brick, 2 stories, 20x33 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Daniel Carr, 246 Pennsdale street, Philadelphia.

Garage, 420 Seville street, Philadelphia, \$3,000. Architect, private plans. Owner, M. Leewright, 424 Seville street, Philadelphia. Brick, 1 story, 18x72 feet, slag roof, cement floors, electric work. Contract awarded to Charles Schock, Seville and Ridge avenue, Philadelphia.

Store Building (alts.), 905-07 Arch street, Philadelphia, \$2,000. Architect, private plans. Owner, Thomas Love, 1916 Race street, Philadelphia. General alterations. Contract awarded to H. M. Irwin, 1613 Ranstead street, Philadelphia.

Auditorium, Broad and Patterson streets, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Sesqui-Centennial, Fifth and Chestnut streets, Philadelphia. Metal lath, steel, stucco, 1 story, 447x274 feet, pine floors, Lamella roof. Contract awarded Turner Const. Co., 1713 Sansom street, Philadelphia.

Tioga Central Office Building (alts. and add.), Seventeenth and Allegheny avenue. Architect, Engineer of Building, 261 North Broad street, Philadelphia. Owners, Bell Telephone Co., Seventeenth and Arch streets, Philadelphia. Brick, 1 story, 33x16 feet, slag roof, cement floors, hollow tile, hardware, steam heat, electric light, bond, kitchen equipment, plumbing. Contract awarded Franklin M. Harris Co., 1520 Parrish street, Philadelphia.

Church (alts.), Tabor Road, West of Rising Sun avenue, Philadelphia. Architect, Albert N. Dobbins, 1709 Arch street, Philadelphia. Owners, St. James' Methodist Episcopal Church, Rev. W. Galloway Tyson, on premises. Stone, carpentry and mill work, cement work, electric work, hardware, painting, glazing and plumbing. Contract awarded Thomas C. Trafford, 1613 Sansom street, Philadelphia.

Bank and Store (alts.), Southeast Corner Thirty-second and Market streets, Philadelphia, \$50,000. Architect, C. L. Borie, Jr.,

care of Zantzinger, Borie & Medary, Otis Building. Owners, First National Bank, 315 Chestnut street, Philadelphia. Carpentry, mill work, tile and marble work, plastering, painting and glazing, cement work. Contract awarded to F. L. Hoover & Sons, 1023 Cherry street, Philadelphia.

Smelting Building and Warehouse, Carbon street and Erie avenue, Philadelphia. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owners, I. Halpern Brothers Co., Hancock and Berks streets, Philadelphia. Brick, steel, steam heat, reinforced concrete, office, 1 story and basement, 24x50 feet, warehouse, 1 story, 50x150 feet, smelting building, 1 story, 50x100 feet, electric light, slag roof, cement floors, structural steel. Contract awarded L. Rosengarten, Otis Building, Philadelphia.

Shop (add.), 4336 Orchard street, Philadelphia, \$6,000. Architect, private plans. Owners, Hood Brothers, 180 West Oxford street, Philadelphia. Brick, rear add., 20x16 feet, side add., 24x96 feet. Contract awarded to Wintz Brothers, 1618 Sellers street, Philadelphia.

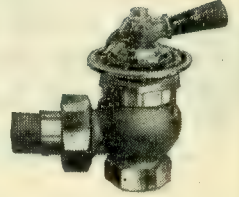
Residences (4) (add.), 52-54-56-58 Collum street, Philadelphia, \$3,200. Architect, private plans. Owners, W. C. & A. V. Bicke, 218 West Coulter street, Philadelphia. Frame, 1 story add., 11x12 feet each. Contract awarded to Gus Gibson, 1726 French street, Philadelphia.

Store and Storage Building (alts.), 221-23-25-27 Vine street, Philadelphia, \$3,000. Architect, private plans. Owners, S. Twitchell Co., 225 Vine street, Philadelphia. General alterations. Contract awarded to Samuel Banders, 1232 Marlborough street.

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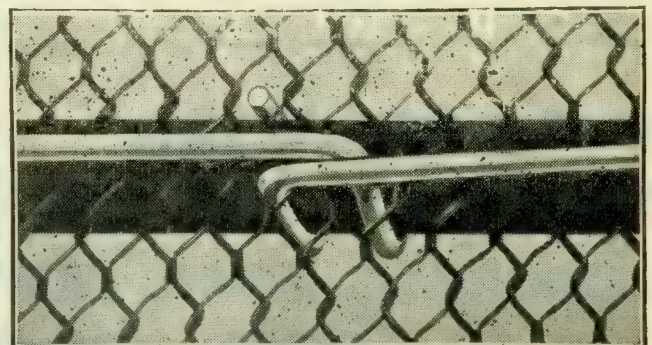
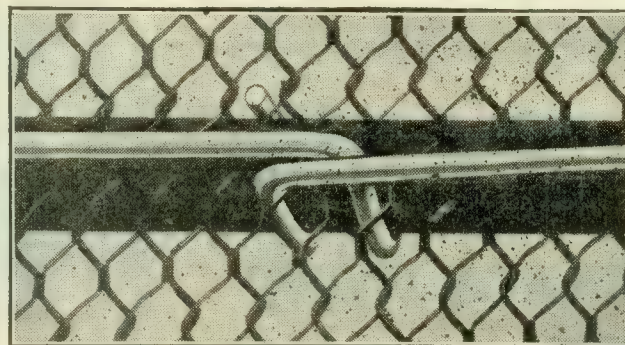
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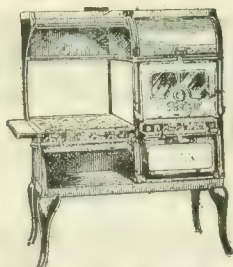
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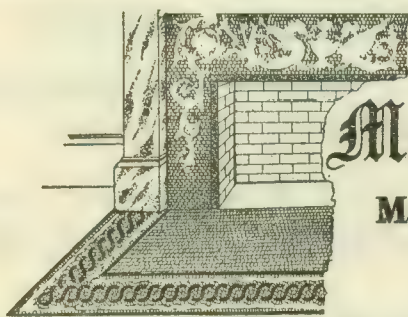


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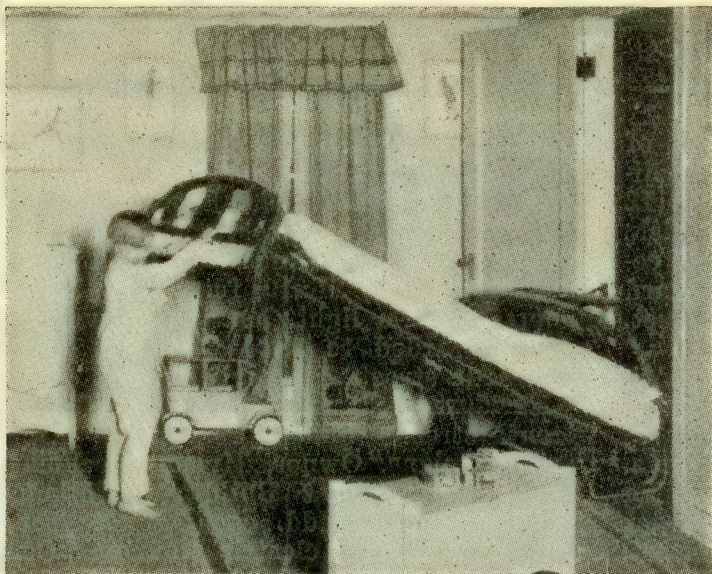
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Garage, 5256 Cedar avenue, Philadelphia, \$2,700. Architect, private plans. Owner, T. H. Williams, 5256 Cedar avenue, Philadelphia. Brick, 1 story, 16x36 feet, slag roof, cement floors, electric work. Contract awarded to Joseph Cichiny, Inc., 743 Corinthian avenue.

Residence (alts.), 1307 Point Breeze avenue, Philadelphia, \$2,715. Architect, private plans. Owner, Adolph Carson, 1311 Point Breeze avenue, Philadelphia. General alterations. Contract awarded to Louis Manfredi & Co., 2228 Mifflin street.

Residence and Store, Northeast Corner Oxford and Bridge streets, Philadelphia, \$3,500. Architect, private plans. Owner, J. Jones, 1025 Fillmore street, Philadelphia. Brick and stone, 2 stories, 16 x irregular, slag roof, pine floors, hot water heat, electric light. Contract awarded to W. Robinson, Arrott and Oakland streets, Philadelphia.

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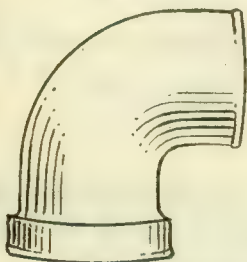
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Garage, North side Ontario street, West of Mascher street, Philadelphia, \$40,000. Architect, private plans. Owner, A. Leibowitz, 1112 Franklin Trust Building, Philadelphia. Brick, 1 story, 60x237 feet 6 inches, slag roof, cement floors. Contract awarded to Edward Halderman, 5907 North Twenty-first street, Philadelphia.

Store Building, East side Paul street, South of Frankford avenue, \$36,000. Architect, private plans. Owner, Robert Lawson, Margaret street and Frankford avenue, Philadelphia. Brick, 2 stories, 29x75 feet, 20x70 feet, slag roof, hot water heat, electric light. Contract awarded to Rush Brothers, 4682 Darrah street, Philadelphia.

Sprinkler in Basement of Building, Southeast Corner Twelfth and Chestnut streets. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Pagoda Restaurant, on premises. Contract awarded to Central Automatic Sprinkler Co., 5146 Delancey street, Philadelphia.

Store (alts.), 234 South Fortieth street, Philadelphia, \$3,000. Architect, private plans. Owner, H. S. Delp, on premises. General alterations. Contract awarded to Robert Lan-kin, 234 South Fortieth street, Philadelphia.

Store and Residence (alts.), Northeast Corner Berks and Uber streets, \$2,500. Architect, private plans. Owner, C. W. M. Grant, 1829 Van Pelt street, Philadelphia. General alterations. Contract awarded to A. Middleton, 618 North Fortysixth street, Philadelphia.

Office, Northeast Corner Twenty-ninth and Brown streets, Philadelphia, \$2,500. Architect, Samuel T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Reading Company, Twelfth and Market streets, Philadelphia. Brick, 1 story, 14x20 feet, pine floors, electric lighting. Contract awarded to G. Goeckel, 247 Park avenue, New York.

Storage Building (add.), Northeast Corner Front and Olney avenue, \$2,000. Architect, private plans. Owners, Heintz Mfg. Co., on premises. Iron, 1 story add., 25x120 feet. Contract awarded to Robinson Iron & Steel Co., Manayunk, Philadelphia.

Residences (34), Sixty-eighth and Dicks avenue, Philadelphia, \$172,000. Architect, private plans. Owner, Timothy Gallagher, Fifty-fifth and Springfield avenue, Philadelphia. Brick, (2) 3 stories, 18x49 feet, (32) 2 stories, 16x31 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to John M. Gallagher, 709 Packard Building, Philadelphia.

Garage (add.), 8500 Seminole avenue, Philadelphia, \$4,500. Architect and owner, C. C. Zantinger, Otis Building, Philadelphia. Brick, 2 stories add., 24x22 feet, slag roof, cement floors, electric lighting. Contract

awarded to Herbert H. Conway, 5800 Walnut street, Philadelphia.

Residence (add.), 4653 Sheldon street, Philadelphia, \$4,500. Architect, private plans. Owners, H. & M. Brecht, on premises. Brick, 2 stories add., 15x19 feet, slag roof, pine floors, electric light, heating extension. Contract awarded to Fred C. Massa, 537 East Gerhardt street, Philadelphia.

Residences (3) (add.), 747-49-51 South Thirteenth street, Philadelphia, \$2,100. Architect, private plans. Owner, Hyman Beckman, 316 Real Estate Trust Building, Philadelphia. Brick, 2 stories add. each, 16x14 feet, slag roof, pine floors, electric lighting. Contract awarded to Nathan Rozensky, 520 Dickinson street, Philadelphia.

Residence, Northeast Corner Eighty-fourth and Ripley avenue, Philadelphia, \$8,000. Architect, private plans. Owner, Nathan Blank, on premises. Brick, 2 stories, 16x50 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to I. Kaplan, 7904 Eastwick avenue, Philadelphia.

Residence (add. and alts.), 4845 Walnut street, Philadelphia, \$3,000. Architect, private plans. Owner, Robert A. Abbott, 4843 Walnut street, Philadelphia. Brick, 1 story add., 5x14 feet, general alterations. Contract awarded to Charles W. Lubker, 3349 Chancellor street.

Garage, 5307 Westminster avenue, Philadelphia, \$2,500. Architect, private plans. Owner, James Halliman, 5218 Vine street, Philadelphia. Brick, 1 story, 15 feet 6 inches x 60 feet, slag roof, cement floors, electric lighting. Contract awarded to Samuel A. Rogen, 5312 Thompson street, Philadelphia.

Manufacturing Building, North side Orthodox street, East of Large, \$22,000. Architect, private plans. Owners, Prudential Worsted Co., Large and Orthodox streets, Philadelphia. Brick, 2 stories, 81 feet 6 inches x 42 feet. Contract awarded to F. Crompton & Brother, 4614 Oakland street, Philadelphia.

Garage, 302-04-06-08 Moore street, Philadelphia, \$18,000. Architect, private plans. Owner, Davis Kauvis, 1812 East Moyamensing avenue, Philadelphia. Brick, 2 stories, 46x60 feet, slag roof, cement floors, electric work. Contract awarded to Seurci & Macrane, 734 South Seventh street, Philadelphia.

Coffee House (add.), 1026 Locust street, Philadelphia, \$7,500. Architect, private plans. Owner, Leo Gounis, 260 South Tenth street, Philadelphia. Brick, 3 stories add., 15x37 feet. Contract awarded to Clarence C. Campbell, 6419 Bingham street.

Stores (alts.), Northeast Corner Corinthian and Fairmount avenues, \$4,635. Architect, private plans. Owners, A. M. Weaver & Son, 264 North Twenty-second street, Philadelphia. General alterations. Contract awarded to George P. Clayton, 1817 North Twentieth street, Philadelphia.

Garage (add.), Southeast Corner Torresdale and Benner streets, Philadelphia, \$4,500. Architect, private plans. Owner, Herbert Hargrans, on premises. Brick, second story add., 16x80 feet, slag roof, cement work. Contract awarded to F. W. Deitnele, Frankford and Devereaux streets.

Almshouse (add.), Northeast Corner Pulaski avenue and Rittenhouse street, \$4,000. Owners, Guardians of the Poor, on premises. Fire chute. Contract awarded to H. E. Baton, Inc., 1713 Sansom street, Philadelphia.

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Apartment (repairs), 6200 Germantown avenue, Philadelphia, \$3,300. Architect, private plans. Owner, M. L. Constable, on premises.

General fire repairs. Contract awarded to E. A. Heffner, 6361 Cherokee street, Philadelphia.

PENNSYLVANIA

Construction News

Residence and Garage, Greene and Galen avenue, Chestnut Hill. Architect, Robert Rodes McGoodwin, 1600 Walnut street, Philadelphia. Owner, Miss Hilda Justice, care of architect. Architect taking bids due December 4th at noon.

Bank Building (add.), Chester, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owners, Chester National Bank, Chester, Pa. Brick, limestone. Plans completed. Architects taking bids.

Junior High School, Second and Turner streets, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Allentown School Board, T. P. Wenner, secretary, Allentown, Pa. Lowest bidders: Ochs Const. Co., 440 Wire street, Allentown, Pa., \$289,686.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Owners taking bids due December 7th at 10 A. M. Plans and specifications, \$2.50 per set. Certified check required.

Somerset County, R-50, A-3474, Milford Township, New Centerville Borough, 20,937 feet. One course reinforced concrete. Certified check, \$3,000.

Somerset County, A-3327, Ogle and Shade Townships, 9,803 feet. One course reinforced concrete. Certified check, \$2,000.

Susquehanna County, R-296, A-3611, Clifford Township, 14,070 feet. One course reinforced concrete. Certified check, \$2,500.

Warren County, R-93, Section 1, Limestone, Watson and Pleasant Townships, 74,511 feet. Grading and drainage. Certified check, \$4,000.

Westmoreland County, A-3632, Unity Township, 11,785 feet. One course reinforced concrete. Certified check, \$2,500.

Development of Residences, Stores and Apartments, Elkins Park, Pa. Architect, private plans. Owner, Charles Kahn, Morris Building, Philadelphia. Stone, hollow tile, stucco. Plans in progress.

Residence and Garage, Lot No. 237, Wynnewood, Pa. Architect, Richard A. Kerns, 109 South Twenty-second street, Philadelphia. Owner, name withheld. Brick, 2½ stories, 40x76 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans in progress.

Lehigh Hotel, Allentown, Pa., \$1,200,000. Architect, W. H. Lee, 1505 Race street, Philadelphia. Owner, Lehigh Hotel, care of Kaepfel & Kester, Sixth and Linden, Allentown. Brick, stone, steel, concrete, 8 stories. Plans in progress.

Mausoleum, Norristown, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owner, name withheld. Marble. Plans in progress.

Mausoleum, St. Petersburg, Florida. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owner, E. R. Hutton, St. Petersburg, Florida. Marble. Plans in progress.

Apartments (4), Hyde Park, Reading, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owner, Howard L. Adams, Hyde Park, Reading, Pa. Brick, 1 story add., 40x105 feet, composition roof, hardwood and pine floors, steam heat, electric light. Plans in progress.

Apartment (alts.), Lancaster, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, Vanity Box Beauty

Co., 26 South Duke street, Lancaster, Pa. General alterations, changing three-story house to apartment. Plans in progress.

School (add.), West End, Lancaster, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owners, School District of Lancaster Township, H. S. Obrerter, secretary, Administration Building, Lancaster, Pa. Brick, terra cotta and steel, 2 stories, 4 rooms, slag roof, pine floors, hot air heat, electric light. Plans in progress.

Hotel (60 rooms), Sterling, Pa. Architect, Henry L. Reinhold, Jr., 1513 Walnut street, Philadelphia. Owners, Messrs. Shaw & Edwards, South Sterling, Pa. Preliminary plans in progress.

Bala-Cynwyd Memorial Library and Women's Club, Levering Mill Road and Bala avenue, Bala, Pa., \$50,000. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owners, Women's Club of Bala-Cynwyd, President, Mrs. S. Stephenson, City Line, Bala; Dr. A. Quinn, President, Board of Trustees, Cynwyd. Stone, brick, steel, 1 story. Tentative plans in progress. Raising funds.

Schools (4), Drexel Hill, Highland Park, Bywood, Stonehurst, Pa. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owners, School Board of Upper Darby Township, Upper Darby, Pa. Plans completed. Owners will be ready for bids in two weeks.

Stores and 2 Apartments (alts.), 212 West State street, Media, Pa. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, Phil Green, 4019 Girard avenue, Philadelphia. General alterations, hot water heat, electric light, tile work, hardwood and rubber tile floors, plate glass, metal ceilings, flush bulks, metal bars. Architect taking sub-bids due at once and general bids due Nov. 27.

Gasoline Station and Rest Room, Langhorne, Pa. Architect, Andrew C. Borzner, 721 Walnut street, Philadelphia. Owner, E. K. Schultz, Southeast Corner Fourth and Walnut streets, Philadelphia. Frame and stucco, 1 story, 36x36 feet, shingle roof, oak and ce-

ment floors, gas steam heat, electric light. Owner taking bids due as soon as possible.

College Building, Gettysburg, Pa. Architect, George C. Baum, 1511 Arch street, Philadelphia. Owners, Gettysburg College, Rev. H. A. Hansen Gettysburg, Pa. Architect taking bids November 27th.

Store Building, Lancaster, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owner, A. S. Groff, 111 East King street, Lancaster, Pa. Steel, brick and hollow tile, 2 stories and basement, 30x170 feet,

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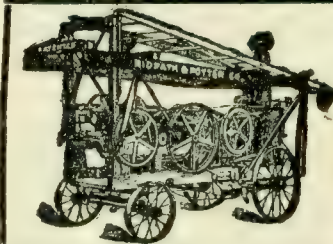
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built-up roof, pine floors, roof ventilators, cast stone, ornamental iron work, skylights, tile and marble work, vacuum heat, electric light. Architect will be ready for bids in ten days.

Church, East Stroudsburg, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Grace Lutheran Church, Rev. Charles E. Kistler, East Stroudsburg, Pa. Stone, steel, 1 story and basement, 50x80 feet, slate roof, hardwood floors, vapor heat, electric light. Architects will be ready for bids (revised) in about ten days.

Store and Apartments (6) (alts.), 212 West State street, Media, Pa. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, Phil Green, 4019 Girard avenue, Philadelphia. Brick, 3 stories, 20x70 feet, general alterations, hot water heat, electric light, tile work, hardwood and rubber tile floors, plate glass, metal ceilings, flush bulks, metal bars, structural steel. Architect taking general and sub-bids.

Residences (48), Llanerch Hill, Upper Darby, Pa. Architect engineer, M. M. Boonin, 10 South Tenth street, Philadelphia. Owners, Silver & Saidel, 5749 Walnut street, Philadelphia. Stone and stucco, 2 stories, 16x15 feet 6 inches and 20x12 feet 6 inches, shingle and slate roof, oak and pine floors, hot water heat, electric light, cinder concrete block, tile work. Owners taking sub-bids due January, 1926.

Store and Apartment, Northeast Corner Third and Main streets, Darby, Pa. Architect engineer, M. M. Boonin, 17 South Seventeenth street, Philadelphia. Owner, Albert Tennis, 6019 Market street, Philadelphia. Stone, brick, 2 stories, 20x61 feet, slag roof, pine and oak floors, hot water heat, electric light, tile work, flush bulks, iron balcony. Albert Simon, 6019 Market street, Philadelphia, taking sub-bids due as soon as possible.

Almshouse, Wescoesville, Pa. Architect, David Levy, 25 North Sixth street, Allentown, Pa. Owners, Lehigh County Commissioners, care of C. J. Dilcher, Court House, Allentown, Pa. Brick, concrete, steel, 3 stories, slag roof, composition floors, vapor heat, electric light, steel sash, waterproofing and damp-proofing, elevators. Owners taking bids due December 7th until 9.30 A. M. \$25 deposit (refunded). Certified check. (Elevators, heating, plumbing, electric wiring and steel water tower separate bids.)

Cottage, Bryn Mawr, Pa. Architects, Stewardson & Page, 315 South Fifteenth street, Philadelphia. Owner, Charles C. Perkins, Bryn Mawr, Pa. Stone, 2½ stories, 33x35 feet, slate roof, oak and pine floors, hot water heat, electric light. Architects taking bids due as soon as possible.

Factory, Pembroke avenue, East Lansdowne, Pa. Architect, Richard A. Kerns, Jr., 109 South Twenty-second street, Philadelphia. Owners, Richard R. Lloyd & Co., on premises. Brick, steel, 1 story, 150x60 feet, slag roof, cement floors, rolled steel sash. Owners taking bids.

Bridge, Mt. Alvern, Pa. Architect, S. C. Hollister, Media, Pa. Owners, Delaware County Commissioners, Media, Pa. Owners taking bids due December 1st.

Pennsylvania

Contracts Awarded

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Lycoming County, A-3603, Picture Rocks Borough, \$12,822.50. Contract awarded to Winston & Co., Harrisburg, Pa.

Residence (alts. and add.), Valley Green Road, Flourtown, Pa. Architects, Folsom,

Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner, Mrs. Bess A. Lincoln, on premises. Stone foundations, flagstone, brick work, concrete, tile work, concrete and cement work, iron work, area gratings, carpentry and mill work, plastering, green slate roof, painting and glazing, tile work, electric work, plumbing, hot water heat, 2½ stories and basement, 45x18 feet, concrete, tile and stucco work. Contract awarded E. Allen Reeves, Abington, Pa.

Convent Building, Nineteenth and Washington Boulevard, Easton, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owners, Parish of St. Jane Frances De Chantel, Easton, Pa. Brick, cut stone, steel, 3 stories, 69x36 feet (heating, plumbing, ventilating, electric reserved), slag roof, oak and cement and linoleum floors, metal lath, painting and glazing, ornamental iron work, bond, kalamein doors, copper skylights, limestone, bluestone, granite. Contract reawarded to John McShain, Inc., 1713 Sansom street, Philadelphia. (Note change.)

Club House, Fifteenth and Upland streets, Chester, Pa. Architect, private plans. Owners, New Century Club, Mrs. Emma Taylor, president, Chester. Stone, 1½ stories, 40x94 feet, enclosed porch with basement 16x49 feet, steam heat, electric light, oil burning equipment, slate roof, maple and pine floors. Contract awarded H. Louis Morris, Pennsylvania Building, Chester, Pa.

Club House (alts.), Camp Hill, Pa. Architects, Druckenmiller & Williams, Otis Building, Philadelphia. Owners, Manufacturers' Country Club, on premises. Stone, cut stone, iron work, brick work, carpentry and mill work, flagstone. Contract awarded Albert Zellfelder, 1324 Walnut street, Philadelphia.

Garage, Villa Nova, Pa. Architects and owners, McIlvaine & Roberts, Otis Building, Philadelphia. Stone, 2 stories, 24x21 feet, slate roof, cement floors, vapor heat, electric light. Contract awarded H. G. Campion, Otis Building, Philadelphia.

Garage, Merion, Pa. Architect, Frank Seeburger, 1524 Chestnut street, Philadelphia. Owner, James M. Wallace, Merion, Pa. Stone, 1 story, 27x25 feet, shingle roof, cement floors, plumbing, electric light. Contract awarded J. Howard Roberts, Lansdowne, Pa.

Hilltop Telephone Exchange, Harwood and West Chester Pike, Llanerch, Pa. Architect, John T. Windrim, Commonwealth Bldg., Philadelphia. Owners, Bell Telephone Co., Seventeenth and Arch streets, Philadelphia. Brick, cut stone, steel, 2 stories and basement, 75x75 feet, slag roof, cement floors, hollow tile, plumbing, steam heat, electric light, metal lath, tile and marble work, steel doors steel partitions, area gratings, wrought iron pipe. Contract awarded Franklin M. Harris, 1520 Parrish street, Philadelphia.

Residence and Garage, Lot 241, Wynnewood, Pa. Architect, Richard A. Kerns, Jr., 109 South Twenty-second street, Philadelphia. Owners, Wynnewood Realty Co., 109 South Twenty-second street, Philadelphia. Stone, building block, stucco, 2½ stories, 40x80 feet, hot water heat, electric light, slate roof, hardwood floors, tile and marble work, cement work. Contract awarded Wynnewood Const. Co., 109 South Twenty-second street, Philadelphia.

Residence and Garage, Lot 234, Wynnewood, Pa. Architect, Richard A. Kerns, Jr., 109 South Twenty-second street, Philadelphia. Owner, Mrs. Matilda Glase, care of architect. Concrete block, stucco, brick, stone, 2½ stories, 78x37 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Contract awarded Wynnewood Const. Co., 109 South Twenty-second street, Philadelphia.

Store (add.), Lancaster, Pa. Architect, C.

E. Urban, Woolworth Building, Lancaster, Pa. Owners, Watt & Shand, 2 East King street, Lancaster, Pa. Fireproof, 4 stories, 18x40 feet, built-up roof, hardwood floors, hollow tile, terra cotta, ornamental iron work, metal lath, tile and marble work, heating extension, electric light. Contract awarded to Herman Wohlsen, Woolworth Building, Lancaster, Pa.

Residence, York, Pa. Architect, H. E. Yessler, Schmidt Building, York, Pa. Owner, Oscar Heckert, York, Pa. Stone, 2½ stories, 44x28 feet slate roof, hardwood floors, vapor heat, electric light. Contract awarded to Howard Quickel, Dover, Pa.

Office Building and New Freight House, Shenandoah, Pa. Architect, Samuel T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Reading Railroad Co., Twelfth and Market streets, Philadelphia. Brick, steel, 2 stories, 25x26 feet, freight house, 25x100 feet, add. freight house, 25x38 feet, asbestos built-up roof, cement, maple and pine floors, plumbing, painting and glazing, terra cotta coping, ornamental iron work, fire doors, rolled steel sash, metal lath, hot water heat, electric light, asphalt floors, vault doors, wrought iron pipe, metal lockers. Contract awarded Victor Gondos, Reading, Pa.

Factory Building, Fleetwood, Pa. Owners, Fisher Body Co., Fleetwood, Pa. Reinforced concrete, steel, 3 stories, steam heat, electric light, metal sash, slag roof, elevators, concrete floors. Contract awarded Austin Co., Jefferson Building, Philadelphia.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Fayette County, A-1220 and 1035, Bullskin and Upper Tyrone Townships. Contract awarded to J. I. Dick, Scottsdale, Pa., \$95,564.93.

Venango-Crawford Counties, R-89, A-3679-3710, Oil Creek Township. Contract awarded to H. E. Bunce, Olean, N. Y., \$90,929.29, \$118,483.99.

Parochial School, Willow Grove, Pa. Architect, L. Walton Heiss, Jenkintown, Pa. Owners, St. David's Roman Catholic Church, Rev. E. J. Curran, Willow Grove, Pa. Stone, frame, stucco, 2 stories, 50x60 feet. Contract awarded Henry Specht, Jr., Willow Grove, Pa.

New Jersey Construction News

School, Carney's Point, N. J. Architect, Charles R. Peddle, 149 South Fourth street, Philadelphia. Owners, School Board of Carney's Point, Carney's Point, N. J. Low bidders: George W. Shaner & Son, Palmyra, N. J., \$53,487.

Grade School, Raritan, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owners, Raritan School Board, George Hope, secretary, Raritan, N. J. Brick, steel, 2 stories, 95x70 feet, slate roof, maple floors, hollow tile, safety treads, metal ceilings fire doors, tile and marble, metal lath (heating, plumbing and electric work reserved). Architects taking bids due December 1st.

Nurses' Residence, Doctors' Residence and Staff House, Skillman, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, State of New Jersey, Dr. D. F. Weeks, superintendent, Skillman, N. J. Brick, concrete, steel, 2 stories, composition roof, composition and tile floors, hollow tile, electric light, iron stairs. Architects taking sub-bids.

Apartment Houses (2), Northwest Corner State and Calhoun streets, Trenton. Architect, Larremore V. V. Sweezy, Bible House,

New York City. Owners, Glencairn Arms, Inc., care of architect. Fireproof, 5 stories, 100x114 feet, slag roof, hardwood and concrete floors, hollow tile, hot water heat, electric light, metal lath, tile and marble work. Architect will build.

Residence (alts. and add.), Moorestown, N. J. Architect, J. Fletcher Street, 1120 Locust street, Philadelphia. Owner, Louis Paret, Moorestown, N. J. Architect taking bids due December 2nd.

Residences (4), 1149-55 and 1158-64 Lois avenue, Camden, N. J., \$12,000 total. Architect, private plans. Owner, G. R. Richman, 1202 Elm avenue, West Collingswood, N. J. Frame, 1½ stories, 22x34 feet, slate surface roof, hot air heat, electric light, pine floors. Permit granted.

Residences (8), 791-97, 803-05 and 786-92-98, 804 North Thirtieth street, Camden, N. J., \$4,500 each. Architect, private plans. Owner, William H. Townsend, 3129 River Road, Camden, N. J. Frame, 1½ stories, 24x34 feet, asbestos slate roof, pine floors, hot air heat, electric light. Permit granted.

Barn Alterations to Residence "D," Riverton, N. J. Architect, J. Fletcher Street, 1120 Locust street, Philadelphia. Owner, Charles S. Mears, Riverton, N. J. Owner taking bids.

Bridge, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street, Bank Building, Trenton, N. J. Single leaf, trunnion bascule bridge, 30 feet clear opening between fenders, 2 steel encased concrete approach spans, 51 feet 6 inches and 56 feet 6 inches, concrete piers and abutments, timber piling, over Tuckahoe River, Route 14, Atlantic and Cape May Counties. Owners taking bids due November 30th at noon. Deposit of \$10 required. Certified check 10 per cent. required.

Steel Superstructure, New Jersey. Owners, Joint Commission for Elimination of Toll Bridges, Louis Focht, superintendent and engineer, State House, Trenton, N. J. Steel superstructure on existing piers and abutments of bridge across Delaware River between Centre Bridge, Bucks County, Pa., and Borough of Stockton, Hunterdon County, N. J. Owners taking bids due November 30th at noon. Deposit of \$5 (refunded). Certified check \$1,500, made payable to Treasurer of Joint Commission, required.

Employees' Building, Children's Building and Infirmary, Glen Gardner, N. J. Architects, Department of Institutions and Agencies, Trenton, N. J. Owners, Tuberculosis Sanitarium, Glen Gardner, N. J. Low bidder: C. J. Smith Const. Co., Trenton, N. J., \$306,400.

New Jersey

Contracts Awarded

Office Building, Broadway and Cooper street, Camden, N. J. Architect, Leroy B. Rothschild, 215 South Broad street, Philadelphia. Owner, John O. Wilson, 336 Market street, Camden, N. J. Brick, limestone, concrete, steel, 12 stories and basement, 140x42 feet (plumbing, heating, oil burning reserved), electric light, metal lath, terrazzo work, rolled steel and hollow metal sash, kalamein and hollow metal doors, iron stairs, ornamental iron work, Barrett specification roof, cement floors, elevators, painting and glazing, metal weather strip, shoring, waterproofing and dampproofing, architectural terra cotta, limestone, granite, area gratings, caulking, metal toilet partitions. Contract awarded Roberts & Roller, 1904 Sansom street, Philadelphia.

Press Building, Third and Arch streets, Camden, N. J. Architects, Laekey & Hettle,

5 Hudson avenue, Camden, N. J. Owners, Camden Daily Courier, on premises. Brick, reinforced concrete, steel, 2 stories and basement, 71x53 feet, slag roof, cement floors, rolled steel sash, hollow metal skylights, bond, iron stairs, ornamental iron work, dumb waiter, painting and glazing, rolled steel partitions, cast stone. Contract awarded Bennett-McLaughlin Co., 3260 Ludlow street, Philadelphia.

Grade School, Mt. Holly, N. J. Architect, Alexander Merchant, 1 Elm avenue, New Brunswick, N. J. Owners, School Board of Mt. Holly, N. J. Brick, steel, 2 stories and basement, 100x58 feet, slate roof, cement and maple floors, tile work, ornamental iron work. Contract awarded T. M. Gibbs Const. Co., Corn Exchange Building, Philadelphia (on alternate basis).

Residence and Garage, Haddonfield, N. J. Architects, Trout & Truscott, 222 South Jessup street, Philadelphia. Owner, R. Wayne Kraft, 207 Market street, Camden, N. J. Cinder block, stucco, 2½ stories, 30x80 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work, cement work. Contract awarded Bennett-McLaughlin, 3260 Ludlow street, Philadelphia.

Residence, Sea Girt, N. J. Architects, W. W. Slack & Sons, St. Regis Building, Trenton, N. J. Owner, J. H. Thompson, 945 Carteret street, Trenton, N. J. Frame, 2 stories, 24x30 feet, shingle roof, hardwood floors, electric light, tile work. Contract awarded to L. Newman, Sea Girt, N. J.

Residences (3), 1504-06-08 South Tenth street, Camden, N. J., \$15,000. Architect, private plans. Owners, Martin Borowski, Anthony and Alexander Rogowski, Camden, N. J. Brick, 2 stories, 14x50 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Barney Poduszcak, 1220 Chase street, Camden, N. J.

Residence (add.) and Garage, 438 Kaighn avenue, Camden, N. J., \$3,200. Architect, private plans. Owner, Louis Detowsky, 438 Kaighn avenue, Camden, N. J. Brick and block, 2 stories add., 26x16 feet, slag roof, garage, block, 1 story, 20x21 feet. Contract awarded to Victor Bezahler, 1027 Atlantic avenue, Camden, N. J.

Store Front, 530 Market street, Camden, N. J., \$2,000. Architect, E. L. Ergood, 104 Market street, Camden, N. J. Owners, Heimback & Brinckman, 530 Market street, Camden, N. J. Brick, 6 feet 7 inches x 28 feet 10 inches, tin roof, new bulk windows. Contract awarded to Fearn & Voegtlin, 4402 Westfield avenue, Camden, N. J.

Residences (2), Hillerest avenue, Trenton, N. J., \$6,000. Architect, private plans. Owner, William Glonker, Trenton, N. J. Frame, 2½ stories, 16x44 feet, slate roof, pine floors, electric light. Contract awarded to J. H. Maher, Trenton, N. J.

Apartment, 724 Chestnut street, Camden, N. J. Architect, private plans. Owner, L. Rothman, 1700 Fillmore street, Camden, N. J. Brick and steel, 3 stories, 56x60 feet, slag roof, pine floors (heating reserved), electric light, tile work. Contract awarded to M. W. Cooperson Co., Inc., Sixth and Jackson streets, Camden, N. J.

Miscellaneous Construction News

Plant, Parkersburg, W. Va. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Viscose Co., Marcus Hook, Pa. Architects taking bids due December 7th (time extended).

Church, Thirteenth and Broome streets, Wilmington, Del. Architect, C. R. Hope, DuPont

Building, Wilmington, Del. Owners, St. Stephen's Lutheran Church, Rev. Frederick Doerr, 307 West Seventh street, Wilmington, Del. Stone, 1 story and basement, 40x80 feet, slate roof, hardwood floors, electric light. Plans in progress.

Residence, Ninth street, Wilmington, Del., \$5,500. Architect, private plans. Owner, A. Fortunato, 1337 West Fourth street, Wilmington, Del. Brick, stone, 2 stories, 20x29 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Residences (2), Wilmington, Del., \$14,000. Owner, Charles J. Dougherty, 2515 West Eighteenth street, Wilmington, Del. Brick, 2½ stories, 21x30 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Permit granted.

Residences (2), West Eighth street, Wilmington, Del., \$7,000. Owner, Ernest Di Sabatino, 208 Union street, Wilmington, Del. Brick, stone, 2 stories, 16x48 feet, slag roof, pine floors, hot air heat, electric light. Permit granted.

Dining Hall, Newark, Del. Architects, Day & Klauder, Franklin Bank Building, Philadelphia. Owners, Women's College, Newark, Del. Brick, fireproof, 1 story and basement, 100x135 feet, slate roof, cement and linoleum floors, central heat, electric light, metal lath, wood sash, copper skylights. A. J. Taylor, Delaware School Auxiliary Association, DuPont Building, Wilmington, will be ready for sub-bids in one week.

General George Gordon Meade Memorial, Washington, D. C. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Commonwealth of Pennsylvania, Department of Property and Supplies, Harrisburg, Pa. Granite paving, curb and stone benches, concrete paving, bronze tablet and other work, including grading and planting, pertaining to completion of monument. Owners taking bids due December 4th at noon. Certified check of \$3,000 must accompany each bid.

Miscellaneous Contracts Awarded

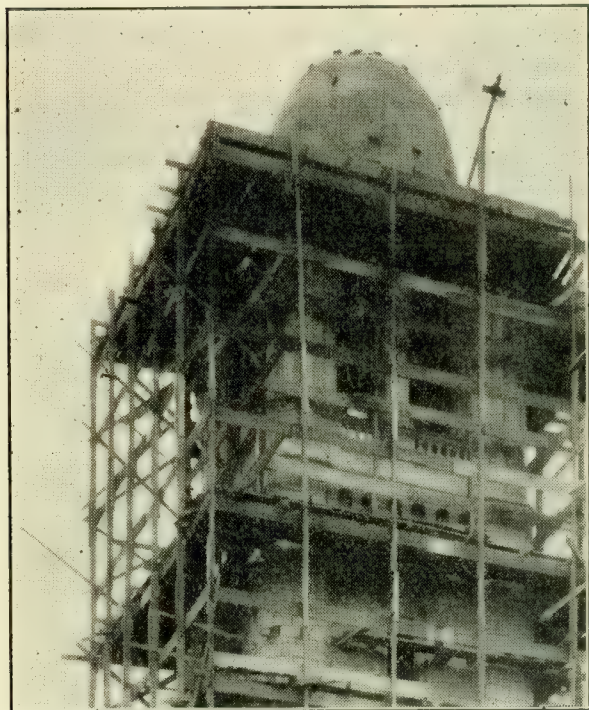
Residence, Wilmington, Del., \$16,746. Architect, private plans. Owner, R. E. Zink, 4 Bedford street, Wilmington, Del. Brick, 2 stories, 32x24 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to W. D. Haddock & Co., 804 Orange street, Wilmington.

Residences (4), Creston Place, Wilmington, Del., \$20,000. Architect, private plans. Owner, C. E. Yost, 404 West Twenty-eighth street, Wilmington, Del. Brick, 2 stories, 20x26 feet, slate roof, pine floors, hot air heat, electric light. Contract awarded to Heindle & Samworth, 1600 West Fourth street, Wilmington.

Residence (add.), 1110 Rodney street, Wilmington, Del., \$5,000. Architect, private plans. Owner, W. B. Foster, on premises. Brick, 2 stories, 15x21 feet. Contract awarded to Charles Forwood, 2014 Boulevard, Wilmington.

Don't crowd your space, Mr. Advertiser. Better play up one selling point at a time than to try to get everything into one ad and kill every possible chance for display. An ad. should stand out. It should be easily read. It should draw the attention of the reader. A carload of detail can't be crowded into a few inches of space and still retain the quality of sticking out as all good advertising should.

INNOVATION IN CONCRETE WORK



The tower of the Church of the Ascension of Our Lord, situated at F and Westmoreland streets, Philadelphia, was constructed recently of reinforced concrete.

The tower is 180 feet high and the floors are of the flat slab construction type. The main feature of this tower is the type of dome, which is elliptical, while the usual type of dome is spherical. The arch is supported on a wall five inches thick, four feet six inches high, which is unusual, as most domes spring directly from the roof slab.

The major axis is nineteen feet, nine and one-half inches and the minor axis thirteen feet seven inches;

thickness of slab at top is three and one-half inches. An arch action occurs at the top which has a tendency to push the dome in approximately one-half the distance below the point of counter-flection, the action changes and the tendency is for the dome to be pushed outward.

The plans for this Church were made by the Hoffman-Henon Company, architects, of Philadelphia; the general contractor is John McShain, of Philadelphia. The details for the reinforced concrete were made by Frederick Massiah, Philadelphia. Mr. Massiah erected the reinforced concrete floors and the dome.

Mr. Massiah is a Civil Engineer, known throughout the country in the building industry. He is a native of the West Indies and is one of the largest construction engineers of his race.

Attention to details in his work has earned for Mr. Massiah an enviable reputation. He has erected the reinforced concrete work in many large office buildings, churches, schools, factories.

THE BATHROOM, A MOST IMPORTANT ROOM

By R. A. JENKENS

A well planned and well equipped bath room makes a home more comfortable to live in than it would be without it, easier to sell and, most important of all, it safeguards the health of the family to a great extent. There really is no better investment for the home than the best possible bath room appointments and plumbing.

One bath room is no longer considered sufficient for any save the very small family, say one that consists of not more than four persons. Even in a home of this size if the house is a two story one, an extra toilet is a convenience. The bath room facilities can also be greatly increased by installing separate lavatories in the bedrooms. Often a closet for a lavatory can be arranged for under the stairway, opening into the central hall.

The question of the size of the bath room is always an important one. If the room is too large it means wasted space, heat and energy in cleaning it. If the room is too small it is uncomfortable and unsatisfactory. Just enough space should be planned for so that there is room enough to move around each fixture comfortably.

Tile, glazed for the dado and unglazed for the floor, laid in cement is a perfect material for the purpose as water cannot penetrate it and there are no cracks for dirt to collect in. Rubber flooring, the sort that looks like linoleum, is also excellent. The walls above the dado and the ceiling should be of hard plaster finished smooth. When a shower bath is

installed over the tub the tile is run up to the ceiling on the two walls.

Bath room fixtures have become so standardized that all of the leading companies make patterns that are very much alike in appearance. A few of the firms specialize in distinctive patterns of their own, of course.

Enameled iron and porcelain are the two materials most commonly used for all kinds of bath room fixtures. A porcelain enameled fixture is one that is made of cast iron enameled on both sides. This material is durable, attractive in appearance, light in weight and generally priced moderately. Porcelain is a hard, impervious material that serves its purpose in an excellent way. Vitreous china is also much used for water closets and lavatories.

There are three general types of bathtubs, those with legs that leave a space under and back, tubs with a closed base underneath, and built-in tubs that entirely fill a niche at one end of the bathroom. It is very apparent that the tub that leaves space under and around it to be kept clean is the least desirable. It is the least expensive, though, so is often used. While the other types do cost more they cut down on the amount of floor tile that has to be laid.

For use in the ordinary home, a tub five feet long, thirty inches wide, with the rim about two feet from the floor is usually the one recommended. The legless tubs are generally several inches lower than the others, thus making them easier to emerge from. Just as with the toilet, the better the tub, the less noise the water makes in entering it.

The popularity of the shower bath has created a demand for shower bath equipment that has been generously supplied. Most of the arrangements for shower baths, even the ones moderately priced, are revelations of comfort and convenience.

The styles of lavatories are many, although they all now have the common characteristic of being easy to clean. The sizes are so well standardized that it is rarely necessary to give dimensions. Lavatories may be had for corners, or straight walls. They may have a center pedestal, fluted or not, legs of varying number or be hung on the wall by brackets.

Various materials are used such as porcelain and nickel and porcelain-like enamel for faucets. For most fixtures the porcelain and nickel faucets are the best and require the least care.

It is always best to have one faucet through which both hot and cold water can flow. The faucet should have enough of an overhang if it is in the lavatory so that it is possible to get a glass under it for filling. This has been taken care of in designing most faucets.

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A minimum of noise is the least that can be expected in a water closet. If one is fortunate to possess one that operates quietly enough so that the noise of the water is not heard outside of the room, they can be well satisfied. More errors are made in the selection of this fixture than any other, the plumbers tell us. The reason for this is that it is really the most complicated of the fixtures and the average person just assumes that it will work all right and lets it go at that. It is only after the closet has been installed some time, proven repeatedly unsatisfactory and been replaced that the subject becomes an interesting one.

The best water closets like the best lavatories and tubs now have a valve on the supply pipe so that the closet can be shut off if necessary without shutting the water off to the other fixtures. One closet omits the fan at the rear of the bowl which offers an offensive fouling surface unless the flow of water is strong enough to prevent.

The incidental fittings such as chairs and stools are usually in white enamel or made to match the general color scheme.

The question of closets and cabinets in the bath room is one that is generally settled individually. There are the wall and mirror type and the long door closets that offer a full length mirror. The medicine cabinets come in steel or wood with glass, steel or wooden adjustable shelves. Some have mirrors in the door with a shelf beneath and some do not. A glass shelved towel closet is a real convenience.

Compartments for the soap, sponge and glasses are now often recessed into the walls. This puts the glasses where they are not apt to be broken. There are dozens of ways to take care of the tooth brushes in a hygienic way so this need not be touched upon.

When you list the things needed in the bath room you find they are few, yet they are so important that it is wise to plan the bath room early in your building program, working with your architect and always remembering that every bit of poor plumbing that goes into your home will soon show up and have to be replaced. Besides the cost of the first fixture plus installing and removing will be a loss.—*Keith's Magazine*.

SELECTING THE HARDWARE FOR A SMALL HOUSE

In the hardware to be used in the small house the material throughout may be yellow brass, or, if one wishes to keep strictly to Colonial ideas, of wrought iron for the more important fittings.

The desire, however, for economy leads to the recommendation that yellow brass be used. Later on it may be replaced by wrought iron when the home-owner wishes to add a few touches.

The front door should have an outside escutcheon of a Colonial pattern, about 9 inches long. The inside escutcheon should have a length of 7 inches. The knobs should be of brass. Here it is necessary to sound the warning that brass, and not iron finished as brass, is recommended. This warning is for all the hardware.

The terms "butts" and "hinges" are used interchangeably. They are made of cast iron, wrought iron, wrought steel, cast bronze and brass. There are many made simply by pressing and the use of butts termed "light" must be avoided.

Use for a small house brass butts lacquered after polishing, with strong steel pins, having brass heads. The butts for the front door should be about 5 inches or 6 inches long and the full width of the thickness of the door, with strong edges.

For the doors of the living room and dining room use butts about one inch shorter than the butts for the outside door. For all other doors throughout the house use 3-inch butts. Never use anything shorter.

The size and weight of the butt depend obviously on the size and weight of the door. All doors under 7 feet in height may be hung satisfactorily with one pair of butts. If it is higher than this and very heavy, three butts should be used, one in the middle, one near the top and one near the bottom.

The front door and back door require only two bolts, one actuated by the handle and the other by a key. Use the best quality lock, mortised.

The inside doors communicating between rooms need be single bolt locks only, actuated by the handle. No keys are required. In fact, keys for inside doors usually are lost within a year after a house is occupied.

On the inside of the bedrooms a bolt may be fastened. This is to satisfy timid persons who would like to lock themselves in for the night. They also serve for reassuring guests who may spend a night in the home and who will feel more secure with a bolted door.

The door to the bathroom should be fitted with a lock having two bolts, one actuated by the door handle, the other a shot bolt, not requiring a key. There is an advantage in the use of such hardware which is not often thought of. It is that there is no danger of a door accidentally being locked when the wind blows. This, of course, can happen with but one type of lock, but it happens often enough, for this self-closing type is often used.

The contractor should furnish the sash weights of such size, shape and weight that the windows will work satisfactorily. This is important. Use only the best make of sash cord, always of course an advertised brand. There is economy in this. The difference is merely the cost of the cord. If a cheap cord is purchased, the cost of replacement is high, being

about ninety-five per cent labor. Then there is the improved spring balance sash hanger, several types of which are deservedly very popular, as they do away entirely with the troublesome weights. Another device holds the sash firmly by means of friction wheels held by a powerful spring, with enough give, however, so sash can be easily moved up or down.

Have proper sash fasteners on the sash to lock them shut and prevent rattling. Sash lifts on the lower sash should not be omitted. Many do not like their appearance, but they are convenient when the sash sticks. They enable one to raise and lower a sash without doing anything to distort the frame.

The door knobs throughout should be of glass, especially on the second floor. Some may prefer that all the knobs on the first floor be alike, following the style of the front entrance door.

The hardware in the basement may be of iron, but it should be of good quality. There is no economy in trying too closely to save on hardware. The knobs should preferably be black, as this is better looking than white.

The sash casements being of steel will come supplied with fasteners.

There should be bolts on all closet doors and on the kitchen cabinets. When the door is easily gotten at and is not over three feet high, one bolt will be sufficient. It should be of the ordinary horizontal type and of the type classed as "medium-weight."

Doors more than three feet high and doors not easily gotten at should have two bolts working vertically, one at the top and one at the bottom. These should be

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mortised in and be operated by a lever on a long vertical rod that will operate the two bolts with one turning of the handle. The handle should be located at a height where it may easily be used. This handle should not be so small that it is presumed it may be turned with the fingers. Such a handle is useless when the bolt sticks. The handle should be generous in size, to be grasped by the hand. A lever handle is best and most ornamental.

Keep close after the painters, to see that they do not splash the hardware. By far the better way is to put all interior hardware in place after the painters are through, the escutcheon plates on the outer door being removed for the convenience of the painter and replaced when the painting is finished and dry. It will certainly pay to look after this little detail.

Do not accept the job until all rattling of doors is eliminated.—*Building Age and National Builder*.

BETTER BUILDING CONSTRUCTION ONE OF THE MOST EFFECTIVE WAYS TO FIGHT FIRE

One of the most important ways in which our tremendous annual fire loss (which now exceeds 500 million dollars) can be reduced is through better building construction, says Mr. S. H. Ingberg, Chief of the Fire Resistance Section of the Bureau of Standards, Department of Commerce. While this method of reducing fire losses necessarily takes some time in yielding apparent results, it is nevertheless, one of the most effective ways of combating this destructive element in the long run.

It is to be hoped that as old buildings are replaced, and as the new construction reflects to an increasing extent the knowledge gained in the laboratory and through studies of actual fires, the destruction of property will decrease.

The Bureau of Standards is carrying out many investigations with the object of improving the fire resistance of building materials and construction. Tests are being made on full-sized columns, walls, and partitions, using specially designed furnaces in which the temperatures encountered in a burning building can be duplicated. In this way the behavior of different kinds of construction and the value of all the commonly used building materials can be studied under accurately controlled conditions.

In order to find exactly what temperatures are reached in a burning building and to find how long a given temperature is maintained, the Bureau has constructed a special fire test house in which actual fires are "staged", from time to time. This small building is fitted up with discarded furniture and supplies to simulate any desired occupancy and is then set on fire and the necessary data secured. From the

results of this work it has been possible to state just what temperatures ought to be in the experimental furnaces.

Other tests have covered roofing materials, theater curtains, and office furnishings such as filing cabinets and safes. In the case of safes the fire test is followed by a drop test to simulate the rough treatment which a safe receives when the floor of the building collapses. If the safe withstands the drop test it is heated again in the furnace, as would be the case if it had fallen into the basement and was surrounded by burning material.

While these tests may seem destructive on first consideration, they are in reality one of the most constructive lines of work now in progress in the Bureau.

ORDINARY CARE

Ordinary wear and tear is a common expression on a construction job. It usually is taken to mean the effect on equipment of every day use. Ordinary care is an unusual expression. It would probably be interpreted to mean less than good care.

Few men handling machinery realize, however, that even the simplest piece of equipment should have more or less constant attention. General overhauling at times is customary on even the worst managed jobs. But there are few superintendents who insist that equipment be given the regular oiling and adjustment that it needs. Even those who do require such attention, have difficulty in finding men who have any mechanical sense.

With everything possible done by machinery these days, the situation requires that the superintendent who gets results must make sure that his machine runners look after their equipment properly. Most runners have to be shown how and when to lubricate and to adjust machines that are new to them. Once shown, it is the superintendent's job to check up regularly to see that instructions are being followed.

One organization weakness that crops out even in the best of large concerns is that a new man is not properly instructed about his machine. A piece of equipment may be giving fine service with an experienced runner. When he leaves, the new man too often is shown only the main features of the machine. He is rarely taught how to give his machine the ordinary care it needs all the time. The result is that his machine soon goes bad. Then he gets the blame, when it really should be laid to the man in charge of the job. It is up to him to be certain that his men know what they ought to do, and then to see that they do it.

As the amount of equipment used on construction work increases, and with the increase comes more complicated machinery, this idea of constant care—ordinary care—must be driven home.

Equipment builders are doing all they can to design machinery that requires a minimum of attention. But lubrication and adjustment will always be required. It is up to the superintendent to see to it that his equipment gets this ordinary care.—*Successful Methods*.

CARRYING COALS TO NEWCASTLE

America has looked to England for inspiration in the manufacture and use of brick. The great saving in fire loss recorded in England is conceded to be because of the predominance of brick construction and the consequent lowered liability to fire. Now comes a writer in England who quotes America as leading in brick construction.

The *New York Herald*, a leading newspaper of the United States, puts it aptly and strengthens the statement of the English writer, in a leading editorial. The *Herald* says:

"The boast of the Emperor that he had found Rome built of brick and would leave it built of marble must, according to a recent British observer, be practically reversed concerning New York in our day. We found it built of brownstone, and we shall leave it built principally of brick. The writer—in *The Manchester Guardian*—comments with an approval verging upon enthusiasm upon the appearance of the brick facades which now largely line some of the finest avenues. The English writer says:

'The combinations of marble or Indiana stone and brick are usually simple and effective. The American architects seem to have given themselves to the study of brick with characteristic closeness and intelligence, and everywhere one came on new signs of their mastery of the subject. . . The brick varies in color from an unsuccessful lemon white to deep red, with some particularly fine oatmeal tints in the later buildings that take the sunshine with a radiant sweetness. . . In the clear, gay atmosphere of Manhattan, these oatmeal palaces are delightful, even lovely at times, as they take the glow.'

"Perhaps not many New Yorkers have observed their own city with such eyes as those of this British visitor. Those who take pains will, however, perceive much truth in his remarks. The variety of coloring to which he refers has a great and generally pleasing range, and so has that of their surface texture while of course, the pattern and order of laying them must be susceptible of corresponding diversification. A block or a street, therefore, built of brick is easily capable of an artistic and harmonious variegation which would scarcely be possible with an exclusive brownstone or marble or granite construction."

—*American Clay Magazine*.

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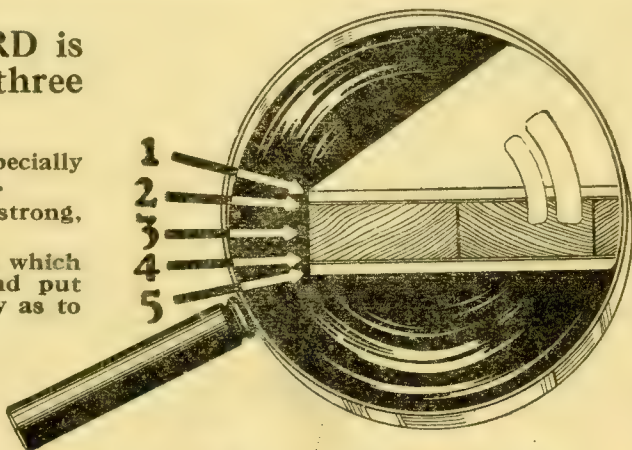
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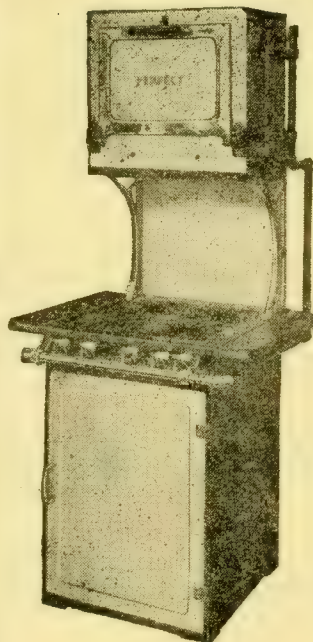
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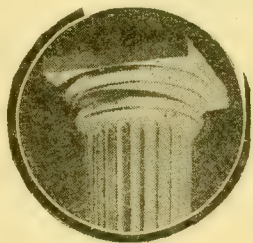
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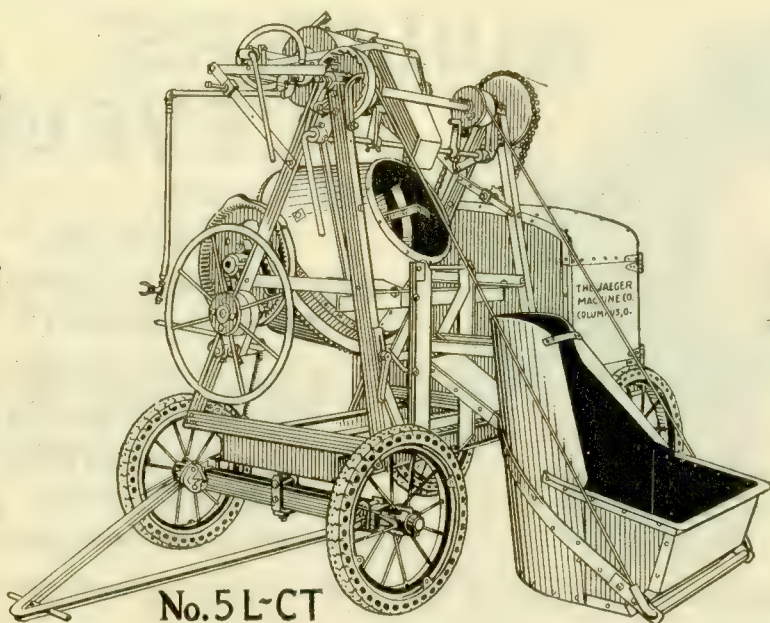
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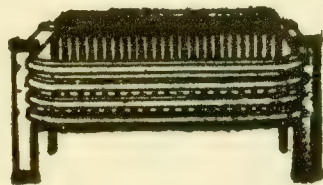
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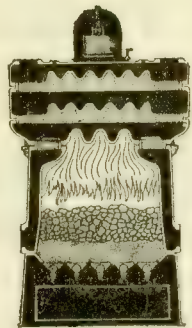
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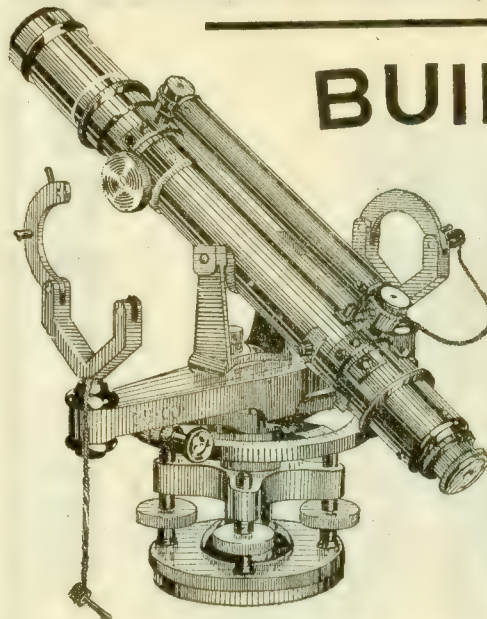
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XL
Number 48

PHILADELPHIA
December 2, 1925

BUILDERS' GUIDE

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BY

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Warehouse, 237-53 Church Lane, Philadelphia. Architect, George S. Kingsley, 1452 Broadway, New York City. Owners, Wallace Storage Co., 1826 North Twentieth street, Philadelphia. Reinforced concrete, brick, 6 stories and basement, 75x120 feet, slag roof, concrete floors, hollow tile, elevators, plumbing, metal window guards, metal ceilings, waterproofing, architectural terra cotta, ornamental iron work, bond, hollow metal doors, galvanized iron skylights, hollow metal sash, marble and terrazzo work, metal lath, electric light, steam heat, caen stone, metal toilet partitions. Owners taking bids due December 8th.

Dyeing and Cleaning Establishment, location undecided. Architect, not yet selected. Owners, Bornot, Inc., care of Frazier Co., 1600 Walnut street, Philadelphia. Work contemplated.

Residence and Garage, Lincoln Drive and Carpenter's Lane, Philadelphia. Architect, Max A. Bernhardt, 721 Walnut street, Philadelphia. Owner, name withheld. Brick, stucco, 2½ stories. Plans in progress.

Residence (alts. and add. to) (3) Stores and (6) Apartments, Southwest Corner Fifty-fifth and Chester avenue, Philadelphia. Architect, Max A. Bernhardt, 721 Walnut street, Philadelphia. Owner, M. Ellis, care of architect. General alterations and additions, heating, lighting, plumbing, hardwood floors. Plans in progress.

Residence, South side Aubrey street, East of Glenlock street, Philadelphia, \$6,000. Architect, private plans. Owner, William J. Niblick, 3039 Janney street, Philadelphia. Frame, 2 stories, 22x32 feet, 13x8 feet, steam heat, electric light, hardwood and pine floors. Permit granted.

Store and Residence (add.), 1257 Pratt street, Philadelphia, \$3,000. Architect, private plans. Owners, American Stores Co., 424 North Nineteenth street, Philadelphia. Brick, 1 story add., 20x25 feet. Permit granted.

Storage Warehouse, 3828 Haverford avenue, Philadelphia, \$2,500. Architect, private plans. Owner, H. A. Sklar, 3826 Haverford avenue, Philadelphia. Brick, 1 story, 17 x irregular, slag roof, electric light. Permit granted.

Moving Picture Theatre, Sixtieth and Lansdowne avenue, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owner, care of architect. Steel, stone, concrete, brick, 1½ stories, 60x180 feet, concrete roof, concrete floors, steam heat, electric light, metal lath, tile, marble and terrazzo work, rolled steel sash, kalamein doors, bond, floor hardener, iron stairs, ornamental iron work, roof ventilators. Plans in progress.

Fruit and Produce Yard, Warehouse, etc., Delaware, Packer and Pattison avenues, Philadelphia. Chief engineer, Mr. Sloan, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad, Broad Street Station, Philadelphia. Owners will grade site. Plans in progress for new buildings.

Sales Room and Service Building, Broad street, Ridge, Mellon to Potts street, Philadelphia. Architect, Philip S. Tyre, 114 South Fifteenth street, Philadelphia. Owner, Joseph Greenburg, Widener Building, Philadelphia. Lessees, Neel-Cadillac Co., 144 North Broad street, Philadelphia. Reinforced concrete, 295x77 feet, irregular. Plans in progress. Too early for details.

Completion of Lodge Building, Southwest Corner Sixteenth and Oxford streets, Philadelphia. Architect, Edgar A. Weightman, Bankers' Trust Building, Philadelphia. Owners, Independent Order of Odd Fellows, on premises. Brick, cut stone, limestone, steel, 4 stories and basement, 157x40 feet, steam heat, electric light, metal lath, rolled steel sash, ornamental iron work, slag roof, cement, maple and composition floors, hollow tile, plumbing, waterproofing. Indemnity Co. of North America, Sixteenth and Arch streets, taking bids due December 5th.

Residence, Greene street and Gowen avenue, Philadelphia. Architects, Roberts Rodes McGoodwin, 1600 Walnut street, Philadelphia. Owner, Miss Hilda Justice, care of architect. Stone, cut stone, 2½ stories and 1½ stories, 45x22 feet, garage 22x27 feet, shingle roof, oak, pine and cement floors, plumbing, vapor heat, electric light, metal lath, tile work, bond, ornamental iron work, flagstone. Architect taking bids due December 4th at noon.

Church, Fifty-ninth and Spruce streets, Philadelphia. Architect, J. Edgar Williams,

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213 Fortieth street, New York City. Owners, Tabernacle Lutheran Church, Rev. William J. Miller, 6123 Christian street, Philadelphia. Stone, 1½ stories, 95x60 feet, slag roof, maple and cement floors, steam heat, electric light. Owners taking bids due December 3rd.

Garage, Rising Sun, below Cottman, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, Harry J. Minich, 7243 Rising Sun avenue, Philadelphia. Brick, 1 story. Owner taking bids.

Residence (alts. to 8 Apartments), 4714 Hazel avenue, Philadelphia. Architect, J. S. Fuller, 5438 Locust street, Philadelphia. Owner, Harry Greenblatt, 4901 North Ninth street, Philadelphia. Hot water heat, electric light, tile and marble work, hardwood floors, plumbing, kitchen equipment, Murphy beds, painting and glazing. Owner taking sub-bids.

Apartment Buildings (5), South side Ellet street, between McCallum and Lincoln Drive. Architect, L. J. Tunis, 1600 Arch street, Philadelphia. Owner, name withheld. Stone, brick, cinder block, 2 stories, 38x100 feet each (4-family apartment), slate and slag roof, hardwood and cement floors, hot water heat, electric light, tile and marble work, sheet metal work, copper work, steel, painting and glazing. Architect will be ready for sub-bids in one week.

Service Station, 4731-35 North Broad street, Philadelphia. Architects, Newbauer & Supowitz, 929 Chestnut street, Philadelphia. Owners, Surety Realty Co., care of architects. Architects taking bids due December 30th.

Residence (alts. to Store, Apartments and Garage), Northwest Corner Sixty-first and Hazel avenue, Philadelphia. Architect, private plans. Owner, name withheld. Brick, 2 stories, 20x35 feet, gas radiation heat, electric light, garage doors, cement work, sheet-rock, plumbing, plate glass, flush bulks. W. M. Burstein & Bro., agents, Sixty-first and Walnut streets, Philadelphia, taking sub-bids.

Sesqui-Centennial Building, Philadelphia, Pa. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, State of New Jersey, J. F. Margerum, Trenton, N. J. Stone, structural steel, 2½ stories, 35x60 feet and 30x100 feet, slate roof, quarry tile, stone and hardwood floors (heating, plumbing and electric reserved), metal lath, tile and marble work. Lowest bidder: William C. Ehret, 13 West State street, Trenton, N. J., \$69,987.

Swimming Pool, Eighth and Green streets, Philadelphia. Architect, Carl P. Berger, 1513 Walnut street, Philadelphia. Owners, Department of Public Works, Bureau of Recreation, 595 City Hall. Low bidders: McCormick-Lenham, 2403 South Broad street, \$36,165; J. Houseworth, 2512 North Twenty-seventh street, Philadelphia, \$37,377. Plumbing, Jo-

seph Hart, 1945 North Croskey street, Philadelphia, \$2,600. Electric, Harry S. Mitchell, 1337 McFerran street, Philadelphia, \$1,140.

Office and Assembly Building, Wissahickon avenue and School Lane, Germantown, Philadelphia, \$20,000. Architect, private plans. Owners, Alden Park Manor Co., Inc., care of Kenneth M. DeVos Co., on premises. Brick and stone, 1 story, 70x70 feet, slate roof, hardwood floors, vapor heat, electric light. Permit granted.

Residences (2), South side Stanwood street, West of Ryers street, \$12,000 total. Architect, private plans. Owner, L. H. Walter, 533 Stanwood street, Philadelphia. Frame, 2 stories, 14 feet 4 inches x 38 feet 7 inches, shingle roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residence, South side Summit avenue, East of Ridge avenue, Philadelphia, \$8,500. Architect, private plans. Owner, Walter Darden, 533 Conarroe street, Philadelphia. Frame, 2 stories, 35x23 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Storage Building (repairs), South side Tabor Road, East of Tacony Creek, Philadelphia, \$6,000. Owners, William Whittaker & Sons, Cedar Grove, Pa. General fire repairs. Permit granted.

Storage Building (add.), 1331 South Juniper street, Philadelphia, \$5,000. Owner, George Russell, 1333 South Juniper street, Philadelphia. Brick, 2 stories add., 31x58 feet. Permit granted.

Residences (9), Stevens Road, West of Oakley street, \$4,000 each. Architect, private plans. Owner, William Ingham, 5533 North American street, Philadelphia. Brick, 2 stories, (1) 16x38 feet, (8) 16x28 feet, 10x10 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Residences (14), 701-27 Kenmore Road, Philadelphia, \$127,000. Architect, private plans. Owners, Brown & Caruso, Atwood Road and Lansdowne avenue, Philadelphia. (1) Brick and stone, 3 stories, 17x66 feet, (13) brick, 2 stories, 15x33 feet, 11x22 feet, hardwood and pine floors, tile work, hot water heat, electric light. Permit granted.

Garage, Northwest Corner Christian and Howard streets, Philadelphia, \$45,000. Architect, private plans. Owner, Morris Liechtenstein, 4751 North Eighth street, Philadelphia. Brick, 1 story, 92x120 feet, slag roof, cement floors. Permit granted.

Stores and Residence (add. and alts.), 757 South Second street, \$5,000. Architect, private plans. Owner, Charles Riser, 755 South Second street, Philadelphia. Brick, third and fourth stories add., 6x15 feet, general alterations. Permit granted.

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Residences (7), Ogontz avenue, North of Seventy-fifth avenue, Philadelphia, \$55,100. Architect, private plans. Owner, Raymond R. Rafferty, 4128 North Broad street, Philadelphia. Brick, 2 stories, (1) 16x60 feet, (6) 15x32 feet, 13x18 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residence, North side Emerson street, West of Loretta street, \$5,000. Architect, private

plans. Owner, Harry Goepel, 5619 North Third street, Philadelphia. Frame, 2 stories, 26x32 feet, shingle roof, pine floors, electric light. Permit granted.

Residences (4), 1920-22-24-26 Borbeck avenue, Philadelphia, \$4,200 each. Owner, George Ramey, 22 Cheltenham avenue, Cheltenham, Pa. Frame, 2 stories, 16x42 feet, shingle roof, pine floors, electric light. Permit granted.

building, 2 stories, 26x30 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to D. Slaybaugh, Forty-sixth and Locust streets, Philadelphia.

Auto Show Room, Northwest Corner Twenty-third and Snyder avenue, Philadelphia, \$46,000. Architect, private plans. Owner, H. M. Sato, on premises. Concrete and steel, 2 stories, 57x161 feet 9 inches, concrete floors. Contract awarded to N. G. Mack, 5934 Baltimore avenue, Philadelphia.

Residence, Southeast Corner Cambridge and Thompson streets, Philadelphia, \$9,500. Architect, private plans. Owner, Michael Kurkowski, 174 West Atlantic street, Philadelphia. Brick, 2 stories, 20x38 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded to Benjamin Shulman, 1722 Arch street, Philadelphia.

Warehouse (add. and alts.), 614-16 Moore street, Philadelphia, \$8,600. Architect, private plans. Owner, Max Frank, 612 Moore street, Philadelphia. Brick, 2 stories add., 24x53 feet, general alterations. Contract awarded to J. M. Rosenberg, 6025 Irving street, Philadelphia.

Storage Building, 4254-56 Main street, Philadelphia, \$3,500. Architect, private plans. Owner, Morris Weiss, 4254 Main street, Philadelphia. Brick, third story add., 35x70 feet, slag roof, pine floors, electric work. Contract awarded to Daniel Wetzell, 590 James-town avenue, Philadelphia.

Store and Residence (alts.), 906 South Fourth street, Philadelphia, \$2,875. Architect, private plans. Owner, Morris Cooper, 814 South Fourth street, Philadelphia. General alterations. Contract awarded to S. Wilkofsky, 605 Morris street, Philadelphia.

Garage, 7418 Germantown avenue, Philadelphia, \$2,800. Architect, private plans. Owner, J. Wigman, 7318 Germantown avenue, Philadelphia. Brick, 1 story, 20x69 feet, slag roof, cement floors. Contract awarded to I. Manin, 5226 Berks street, Philadelphia.

Residence, Northeast Corner Stevenson Road and Hegerman street, \$2,000. Architect, private plans. Owners, Stevenson Estate, Torresdale, Philadelphia. Frame, 1 story, 28x14 feet, shingle roof, hot water heating, electric lighting. Contract awarded to Homer Stevenson, Torresdale, Philadelphia.

Shop (repairs), 1139 Vine street, Philadelphia, \$3,900. Architect, private plans. Owners, Estate of George Nass, 717 Chestnut street, Philadelphia. General fire repairs. Contract awarded to Stewart Brothers, 2526 North Orkney street, Philadelphia.

Store and Office (add. and alts.), 311 North Thirteenth street, Philadelphia, \$3,000. Architect, private plans. Owners, Estate of Louisa A. Kline, on premises. Brick, 2 stories add.,

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence, North side Gorgas Lane, West of Crittenden street, \$18,000. Architect, private plans. Owner, R. Lewis, 6840 Gorsten street, Philadelphia. Cinder block and stone, 3 stories, 46x32 feet, 18x7 feet, hardwood and pine floors, hot air heat, electric light. Contract awarded to Melvin H. Grebe, 53 Highland avenue, Philadelphia.

Garage (add.), 4712 Leiper street, Philadelphia, \$5,000. Architect, private plans. Owner, Wallace Wilson, on premises. Brick, one-story front add., 36x71 feet, slag roof, cement floors. Contract awarded to H. C. Lightfoot, 1660 Foulkrod street, Philadelphia.

Garage and Residence (alts.), 1930 Delancey street, Philadelphia, \$2,000. Architect, private plans. Owner, Rowland L. Taylor, Morris Building, Philadelphia. General alterations. Contract awarded to J. S. Cornell & Son, 1528 Cherry street, Philadelphia.

Bank Building, 1244 East Cheltenham avenue, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, Saving Fund Society, G. E. Wollstron, Cheltenham and Wistar streets. Brick, concrete, cut stone, 1 story and basement, 56x41 feet, slag roof, cement and linoleum floors, painting and glazing, safety treads, plumbing, dampproofing, tin-lined doors, tile and marble work, metal lath, electric light, ornamental plaster, steam heat. Contract awarded Roberts & Roller, 1904 Sansom street, Philadelphia.

Residence, Upsal and Parkline, Germantown, Philadelphia. Architect, Edmund B. Gilchrist, 1618 Latimer street, Philadelphia. Owner, Benjamin Ditenfass, 263 South Fifteenth street, Philadelphia. Stone, steel, brick, 2½ stories and basement, 59x21 feet, wing 85x21 feet, garage 24x24 feet, hot water heat, electric light, metal lath, tile and marble work, shingle roof, oak, pine and cement floors, hollow tile, plumbing, ornamental iron

work, brass pipe, bond, flagstone, steel casement sash, incinerator, linoleum, Sans-Onyx wainscoting, leaded glass. Contract awarded J. S. Cornell & Son, 1528 Cherry street, Philadelphia.

Buildings, Woodside Park, Philadelphia, Pa. Architect, Edward Schoeppe, 316 South Fifteenth street, Philadelphia. Owners, Woodside Realty Company, Woodside Park, Pa. Swimming pool building, filter building, 48x78 feet, 1 story, locker building, 1 story, 115x78 feet, office building, 2 stories, 48x20 feet, brick, stucco, slag and Spanish tile roof, cement and pine floors, rolled steel sash, bond, ornamental iron work. Contract awarded George H. Evans, 105 North Thirteenth street, Philadelphia.

Building (alts.), 1431 Vine street, Philadelphia. Architect, C. H. Frees, Drexel Building, Philadelphia. Owners, Robert M. Green & Son, on premises. Interior alterations, lighting fixtures, new vault, vault door, plumbing, fixtures, lumber, carpentry, metal lockers. Contract awarded Mitchell Brothers, 2125 Race street, Philadelphia.

Swimming Pool, Moyer and Montgomery avenue, Philadelphia, \$32,760. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Department of Public Welfare, Bureau of Recreation, 595 City Hall. Contract awarded Conneen Const. Co., 2315 Walnut street, Philadelphia.

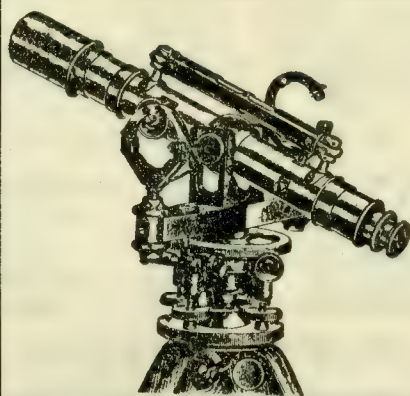
Store and Apartment, Stores and Light Manufacturing Building and Residence, Southwest Corner Forty-fifth and Sansom streets, Philadelphia, \$42,000 total. Architect, Clarence E. Wunder, 1520 Locust St., Phila. Owners G. E. & G. J. Hansen 42nd and Chestnut streets, Philadelphia. Brick, residence, 3 stories, 16x61 feet, store and apartments, 3 stories, 16x68 feet, stores and manufacturing

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3240 North Fox Street
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18x17 feet, general alterations. Contract awarded to J. Jones Davies, 641 North Eighth street, Philadelphia.

Elevator Shaft, Southeast Corner D and Tioga streets, Philadelphia, \$2,500. Owners, Brighton Worsted Co., on premises. Contract awarded to George H. Thirsk, 4305 Horrocks street, Philadelphia.

Manufacturing Building, Northeast Corner Fairhill and Courtland streets, \$50,000. Architect, private plans. Owners, Co-Ed Knitting Mills, Fifth and Courtland streets, Philadelphia. Brick, 2 stories, 87x110 feet, steam heat, electric light. Contract awarded to George Kessler Cont. Co., 1733 North Marvine street.

Church (alts.), North side Cheltenham avenue, East of Boyer street, Philadelphia. Architect, private plans. Owners, Cheltenham Avenue Baptist Church, Cheltenham and Boyer street, Philadelphia. General alterations. Contract awarded to Goodwin & Devlin, 1339 Haines street, Philadelphia.

Office and Residence (add. and alts.), Southwest Corner Nineteenth and Spruce streets, Philadelphia, \$15,000. Owner, Dr. B. A. Thomas, Nineteenth and Spruce streets, Philadelphia. Brick, 2 stories add., 35x16 feet, general alterations. Contract awarded to A. Raymond Raff Cont. Co., 1635 Thompson street, Philadelphia.

Residence, East side Germantown avenue, South of Hilerest avenue, \$25,000. Architect, Samuel W. Marshall, 1524 Chestnut street, Philadelphia. Owner, Alfred W. Worth, 117 West Cheltenham avenue, Philadelphia. Stone, 3 stories, 30x46 feet, 14x10 feet 6 inches, slate roof, hardwood floors, hot water heat, electric

light, tile work. Contract awarded to John R. Erbe, 2551 North Sixth street, Philadelphia.

Store and Residence, 812-14 Race street, Philadelphia, \$20,000. Architect, private plans. Owner, Andrew Craig, 810 Rising Sun avenue, Philadelphia. Brick, 3 stories, 28x32 feet, 26x30 feet, slag roof, hot water heat, electric light, pine floors. Contract awarded to H. P. Schneider, 3713 Old York Road, Philadelphia.

Residence, 1153 South Ninth street, Philadelphia, \$8,000. Architect, private plans. Owner, Angelo Ingalia, 1152 South Ninth street, Philadelphia. Brick, 3 stories, 14x29 feet, 11x26 feet, slag roof, pine floors, electric light. Contract awarded to S. Tasea, 931 Ernest street, Philadelphia.

Apartment House (alts. and add.), 208 North Thirty-sixth street, Philadelphia, \$3,000. Architect, private plans. Owner, Martha Hindman, 208 North Thirty-sixth street, Philadelphia. Brick, third story rear add., 14x12 feet, 1 story side add., 7x22 feet, general alterations. Contract awarded to R. R. Hindman, 208 North Thirty-sixth street, Philadelphia.

Apartment (alts.), 226 South Forty-fifth street, Philadelphia, \$3,000. Architect, private plans. Owner, Mrs. M. D. White, 226 South Forty-fifth street, Philadelphia. General alterations. Contract awarded to Joseph Cichiny, Inc., 743 Corinthian avenue.

Garage, 4840 Reno street, Philadelphia. Owner, Michael Alyankin, 4845 Brown street, Philadelphia. Brick, 1 story, 40x64 feet. Contract awarded to G. W. Jones, 4227 Kater street, Philadelphia.

PENNSYLVANIA

Construction News

Junior Seminary and Chapel, Overbrook, Pa. Architect, Paul A. Monaghan, 1713 Sansom street, Philadelphia. Owners, Seminary of St. Charles of Borromeo, D. Cardinal Dougherty, Eighteenth and Race streets, Philadelphia. Plans will be ready December 3rd, 3 P. M.

Residence, Academy Road, Torresdale, Pa. Architect, Robeson Lea Perot, 137 Harvey street, Philadelphia. Owner, care of architect. Frame, stucco, 2 stories, 30x30 feet, Celotex, Mohawk asbestos slate roof, hot air heat, electric work, plumbing, kitchen range, tapestry brick, stone and cement work, hardware, plas-

tering, stair work, pressure water system, septic tank, tin and galvanized iron work. Contract awarded A. W. J. Williams, Holmesburg, Pa.

High School Building (alts.), Lansdowne avenue and School Lane, Upper Darby. Owners, School Board of Upper Darby, Delaware County, Pa. Owners taking bids due December 2nd, 8 P. M. Plans and specifications may be seen in the office of the Superintendent of Schools.

Manoa Inn, Alts. and Add. to Stores (6), Apartments (20), Manoa, Pa. Architect, H. C. Mercer, 4901 North Seventeenth street,

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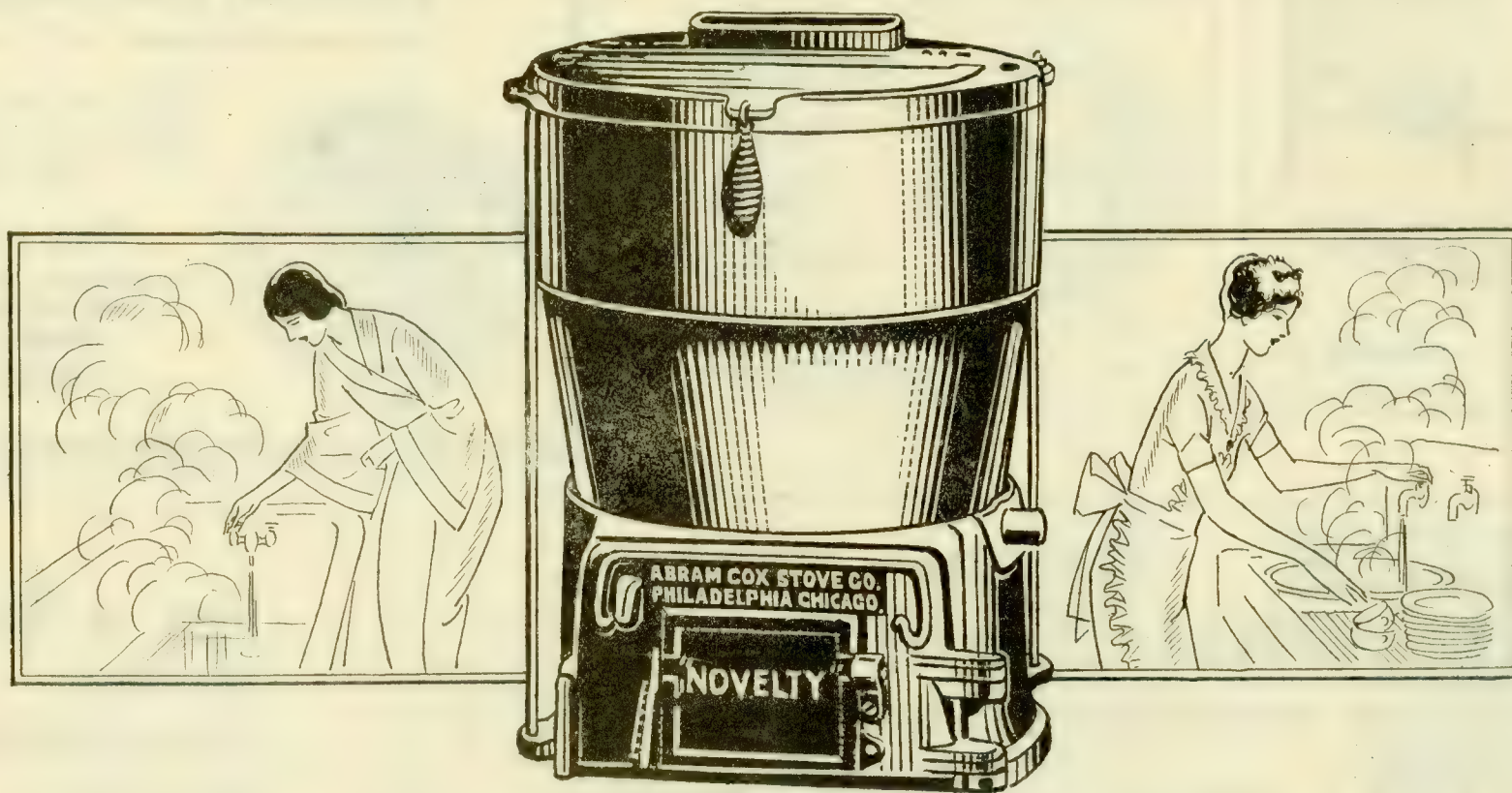
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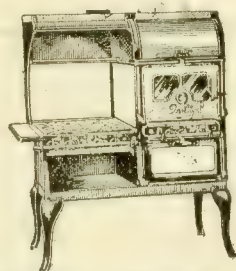
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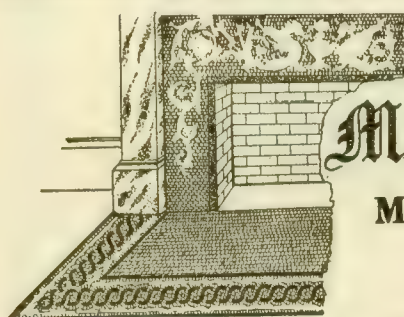
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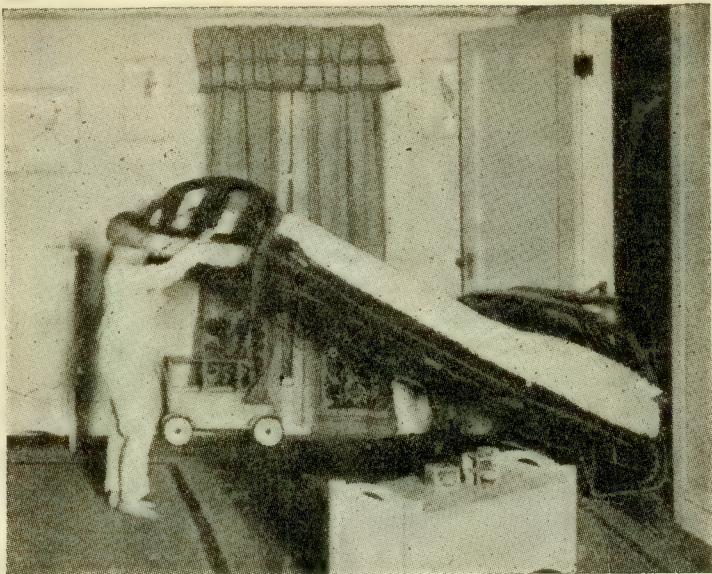


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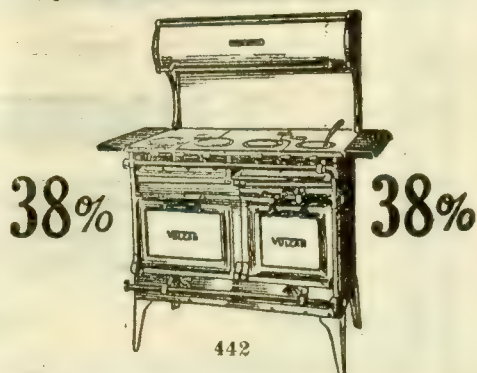
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Philadelphia. Owner, William G. Boyd, 21 South Eagle Road, Manoa, Pa. General alterations and additions, 2 story add. to present building, new heating, electric light, tile and marble work, hardwood floors, plumbing. Plans in progress. Will be ready for bids in February.

Theatre, Arcade and Stores, Eagle Road and West Chester Pike, Manoa, Pa. Architect, not yet selected. Owner, William G. Boyd, 21 South Eagle Road, Manoa, Pa. Limestone, brick, steel, 1 story and basement, size of lot 250x100 feet, seating capacity 2,000. Work contemplated in spring, 1926.

Theatre, Bethlehem, Pa., \$200,000. Architect, William H. Lee, 1505 Race street, Philadelphia. Owners, Independent Theatres Corporation, 1321 Vine street, Philadelphia. Brick, steel, 1 story, 80x175 feet, slag roof, steam heat, electric light, tile work, metal lath, floor hardener. Plans in progress.

Residence, Hecktown, Pa. Architect, H. J. Wiegner, Bethlehem Trust Building; Bethlehem, Pa. Owner, Mr. Lawall, care of architect. Frame, 2½ stories, 27x38 feet, slate roof, hardwood floors, waterproofing, vapor vacuum heat, electric light, tile work. Plans in progress.

Epsilon Fraternity House, State College, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Alpha Sigma Phi Fraternity, State College, Pa. General construction, heating, lighting and plumbing. Architects will take new bids.

Church and Rectory, Beverly Hills, Delaware County, Pa. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owners, United Presbyterian Church, Rev. C. O. Smith, 3806 Hamilton Street, Philadelphia. Brick, steel, 1 story and basement, 70x70 feet, brick veneer, frame, 2 stories, 28x30 feet. Plans in progress. Architect will take bids on parsonage in ten days.

Residence and Garage, Bryn Mawr, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, G. Herbert Taylor, Stock Exchange Building, Philadelphia. Stone, 2½ stories, 65x28 feet, wing 20x25 feet (heating reserved), vapor heat, electric light, tile work, slate roof, hardwood floors. Plans completed. Owner will take bids.

Residences (25), Paoli, Pa. Architect, Henry L. Reinhold, Jr., 2513 Walnut street, Philadelphia. Owner, H. K. Read, care of architect. Preliminary plans in progress.

Residence and Garage, St. David's, Pa. Architect, William Macy Stanton, 1524 Chestnut street, Philadelphia. Owner, William Danner, Jr., on premises. Stone, cinder block, stucco, 2½ stories and basement, 41x25 feet, wing 74x22 feet, hot water heat, electric light, tile work, rolled steel casement, plumbing, shingle roof, oak and pine floors, flagstone. Revised plans in progress.

Residence, Morrisville, Pa. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, Mrs. G. Broudar, 417 North Fif-

ty-third street, Philadelphia. Glazed tile (hollow), 2½ stories, 24x50 feet, 9x30 feet, electric light, hardwood floors. Plans in progress. Details undecided.

Store and Apartments (3), Coopertown Road and Campbell avenue, Haverford Township, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Goldstein Brothers, Pennsylvania Building, Philadelphia. Brick, 2 stories, 18x55 feet each, slag and tile roof, hardwood floors, hot water heat, electric light, tile and marble work, hollow metal skylights, metal bulks, plate glass, cast stone. Owners ready for sub-bids.

Junior High School, Johnstown, Pa. Owners, School Board of Johnstown, W. C. Wehn, secretary, Johnstown. Brick, cut stone, steel. Owners taking bids due January 11th.

Russell National Bank and Residence, Lewistown, Pa. Architects, Morgan, French & Co., Inc., 19 West Forty-fourth street, New York City. Owners, Russell National Bank, Lewistown, Pa. Brick, steel, concrete, granite, 1 story, mezzanine and basement, 133x43 feet, 2½ stories and basement, (residence) 41x35 feet, built-up roof (asbestos), cement, cork, tile, oak, pine and linoleum floors, steam heat, electric light, metal lath, tile and marble work, hollow metal sash, iron and kalamein doors, ornamental iron work, carpentry and mill work, cabinet work, roof ventilators, area gratings, cast stone, travertine, bronze, wrought iron pipe, canvas and blue slate roof. Architects taking bids due December 7th.

Bank (add.), Chester, Pa. Architects, Savery and Scheetz, Stephen Girard Building, Philadelphia. Owners, Chester National Bank, Chester, Pa. Brick, cut stone, steel, 1 story add., 30x40 feet, slag roof, cement and linoleum floors, hollow tile, painting and glazing, plumbing, steam heat, electric light, tile and marble work, metal lath, iron stairs, ornamental iron work, metal lockers. Architects taking bids due December 3rd.

Residence, Nazareth, Pa. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owner, David Koch, Nazareth, Pa. Brick, 2 stories, 24x30 feet, slate roof, hardwood floors, hot water heat, electric light. Architect taking bids.

Parsonage (alts.), 401 Bridge street, Catasauqua, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Bridge Street Presbyterian Church, Catasauqua, Pa. Brick, 2½ stories, 24x72 feet, slate roof, yellow pine floors, hot water heat, electric light, tile work. Architects taking bids.

Clearing and Grading, School Grounds, Yeadon, Pa. Owners, Board of Education, Yeadon, Pa. Owners taking bids due December 4th, 7 P. M. Specifications may be obtained from George D. Biddle at W. D. Evans Public School, Yeadon, Pa.

School (completion), Elkins Park, Pa. Architects, Paul A. Davis & Dunlap, 1805 Wal-

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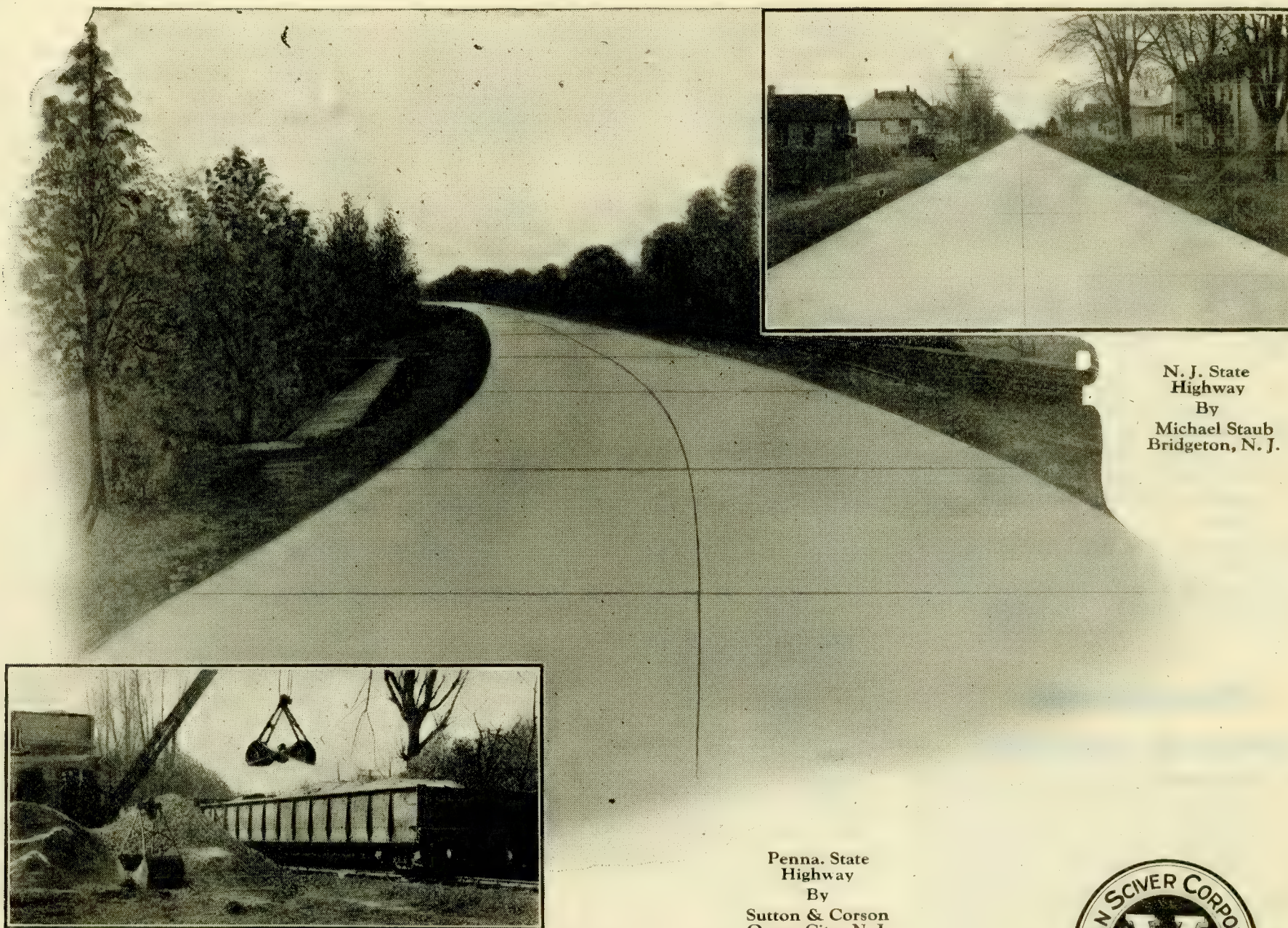
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nut. street, Philadelphia. Owners, School Board of Cheltenham Township, Elkins Park, Pa. Reinforced concrete, brick, cut stone, steel, 3 stories and basement, 156x190 feet, slag and tile roof, composition, cement and maple floors, metal lath, tile, marble and terrazzo work, rolled steel sash and skylights, kalamein and hollow metal doors, ornamental iron work, limestone, bluestone, granite, waterproofing, architectural terra cotta. Aetna Casualty & Surety Co., 407 Walnut street, Philadelphia, taking bids due as soon as possible.

Residence (alts. and add.), Highland avenue, Merion, Pa. Architect, William Woodburn Potter, Real Estate Trust Building, Philadelphia. Owner, Edward C. Deardon, on premises. Stone, masonry, cut stone, concrete and cement floors, structural steel, iron work, carpentry and mill work, plastering, black slate roof, plumbing, tile work, hardware, painting and glazing, electric work, weather stripping, oak floors (heating and decorating reserved). Architect taking bids due December 6th at noon.

Bank, Darby and Mill Road, Brookline, Pa. Architect, Stanford B. Lewis, 1713 Sansom street, Philadelphia. Owners, Haverford Township Title & Trust Co., on premises. Architect taking bids due December 8th.

Pennsylvania Contracts Awarded

Junior High School, Second and Turner streets, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Allentown School Board, T. P. Wenner, secretary, Allentown. Brick, steel, limestone, 3 stories and basement, 182x136 feet (plumbing, heating, electric separate), Barrett roof, composition, cement and maple floors, hollow tile, painting, glazing, roof ventilators, waterproofing and dampproofing, metal lath, tile work, rolled steel sash. Contract awarded to Ochs Const. Co., 440 Wire street, Allentown, Pa.

Lehigh Hotel, Allentown, Pa., \$1,200,000. Architect, William H. Lee, 1505 Race street,

Philadelphia. Owners, Lehigh Hotel, care of Kaepfel & Kester, Sixth and Linden avenue, Allentown. Brick, stone, steel, concrete, 8 stories, 150x110 feet, steam heat, electric light, tile and marble work, metal lath, slag roof, hardwood floors, hollow tile, elevators, ornamental iron work. Contract awarded Barras Const. Co., Seventeenth and Locust streets, Philadelphia.

Boiler House and Laundry, Lima, Pa. Engineer, Stewart A. Jellett, 1200 Locust street, Philadelphia. Owners, Directors of the Poor, Media, Delaware County, Pa. Stone, 1 story and basement, 31x40 feet, slag roof, cement floors. Contracts awarded: Holden Const. Co., Chester, Pa., \$12,955, \$2,460; heating, J. T. Wood & Co., 710 Schuylkill avenue, Philadelphia, \$16,850, \$1,280; plumbing, Barton L. Marker, Chester, Pa., \$1,795; electric, Harry A. Hynes, Chester, Pa., \$1,472.

Residence and Garage, Lot No. 237, Wynnewood, Pa. Architect, Richard A. Kerns, 109 South Twenty-second street, Philadelphia. Owner, Earl B. Morgan, care of architect. Brick, 2½ stories, 40x76 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Contract awarded Wynnewood Const. Co., 109 South Twenty-second street, Philadelphia.

Res. (4) types G, H, I, J, Duell Tract, Meadowbrook, Pa. Architect, C. A. Ziegler, 1012 Walnut St., Phila. Owner, W. Herkness, Land Title Bldg., Philadelphia. Contract awarded Roy Randall, Jenkintown, Pa.

Hosiery Mill, Lansdale, Pa. Architect, private plans. Owners, Dexdale Hosiery Co., Lansdale, Pa. Reinforced concrete and steel, 3 stories and basement, 135x95 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash. Contract awarded William Steele & Son, 219 North Broad street, Philadelphia.

New Jersey Construction News

Barn (alts.) to Residence "D," Riverton, N. J. Architect, J. Fletcher Street, 1120 Locust street, Philadelphia. Owner, Charles S.

Mears, Riverton, N. J. Owner taking bids due as soon as possible.

Apartment, Atlantic City, N. J. Architect, J. R. Ogden, 143 South South Carolina avenue, Atlantic City. Owner, Nathan Levin, 1329 Pacific avenue, Atlantic City, N. J. Fireproof, 9 stories, 65x79 feet, slate roof, hardwood floors, tile work, metal lath, marble work, electric light, hollow tile, elevators, refrigeration, iron stairs, ornamental iron. Will be ready for bids about December 15th, due about January 1st.

Masonic Home, Willow and Front streets, Trenton, N. J. Architects, Hill & Gollner, Broad Street Bank Building, Trenton, N. J. Owners, Trenton Masonic Association, S. L. Kauffman, Broad Street Bank Building, Trenton, N. J. Indiana limestone, steel, concrete, 3 stories and basement, 98x190 feet, flat roof, hardwood and composition floors, hollow tile, ornamental iron, tile, marble and terrazzo, steam heat, electric light. Architects will be ready for bids in about one week.

Apartment House, 137 South Massachusetts avenue, Atlantic City. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, Benjamin Bernstein, care of superintendent. Brick, steel, concrete foundations, 3 stories, 31x132 feet (24 apartments), slag roof, vacuum heat, electric light, tile and marble work, cement work, sheet metal, Craftex, Murphy beds, individual mechanical refrigerators, telephone. Superintendent on building operation, Hunting Park avenue and Blaine street, ready for sub-bids due December 6th.

Apartments (3) and Stores, 322 Atlantic avenue, Atlantic City. Architect, J. R. Ogden, 143 South South Carolina avenue, Atlantic City, N. J. Owner, W. J. Crane, 112 South Rhode Island avenue, Atlantic City. Brick, 2 stories, 24x67 feet, slag roof, hardwood floors, electric light, tile and marble. Architect ready for sub-bids.

Work Shop, rear of 322 Atlantic avenue, Atlantic City, N. J. Architect, J. R. Ogden, 143 South South Carolina avenue, Atlantic City, N. J. Owner, W. J. Crane, 112 South Rhode Island avenue, Atlantic City. Brick, 2 stories, 33x44 feet, slag roof, cement floors, electric light. Architect taking sub-bids.

Apartment, 28 South Connecticut avenue, Atlantic City, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, A. Freeman, on premises. Brick, 3 stories, 32x91 feet, slag roof, hardwood floors, hot water heat, electric light, tile and marble work. Owner taking sub-bids.

Stores, Restaurant and Residence (alts. and add.), 911 Mississippi avenue, Atlantic City, N. J. Architect, D. A. Rosenstein, Humphry Building, Atlantic City, N. J. Owner, Adi Nicolantonio, care of architect. Brick, 1 story add., general alterations. Owner taking sub-bids.

Fire House, Rhode Island and Melrose avenues, Atlantic City. Architect, J. Vaughan Mathis, Guarantee Trust Building, Atlantic City. Owners, City of Atlantic City, Tennessee and Atlantic avenues, Atlantic City, N. J. Brick, structural steel, hollow tile and stucco, 2½ stories, 41x99 feet, tile roof, cement and hardwood floors, hollow tile, damp-proofing, architectural terra cotta, ornamental iron, hollow metal doors, skylights, tile and marble (heating, plumbing and electric work separate bids). Architect taking bids due December 3rd.

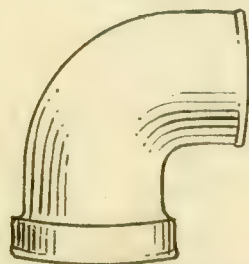
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Store and Apartment (alts. and add.), 1307-09-11 Pacific avenue, Atlantic City, N. J. Architect, A. L. Brooks, Humphry Building, Atlantic City, N. J. Owner, I. N. Agrons, care of architect. Brick, steel, 4 stories, 50x100 feet, slag roof, hardwood floors, hollow tile, oil burning heater, electric light, metal lath, tile and marble. Architect taking bids due December 3rd.

School, Somerville, N. J. Architects, W. W. Slack & Son, St. Regis Theatre Building, Trenton, N. J. Owners, Board of Education, Somerville, N. J. Brick, steel, 2 stories and basement, 90x70 feet, slag roof, maple and pine floors, ornamental iron work. Owners taking bids due December 3rd.

Store, Atlantic avenue, Atlantic City, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owner, Morris Elfman, 4903 Atlantic avenue, Atlantic City. Brick, 3 stories, slag roof, hardwood floors, electric lighting. Architect taking bids.

New Jersey Contracts Awarded

Hospital, Atlantic City, N. J. Architects, H. A. Stout, J. V. aMthis and J. G. Vaughan, Guarantee Trust Building, Atlantic City, N. J. Owners, Atlantic City Hospital, J. Moore, chairman, Building Committee, Atlantic City, N. J. Fireproof, 4 stories, 40x165 feet, slag roof, composition and tile floors, hollow tile, elevators, roof ventilators, waterproofing and dampproofing, fire doors, metal lath, tile and marble, steam heat, electric light. Contract awarded to Doll & Fleming, Freeman Building, Atlantic City.

Apartment Building (add.), Atlantic City, N. J. Architect, Benjamin Brown, Guarantee Trust Building, Atlantic City, N. J. Owners, Grammercy Court Apartments, Atlantic City, N. J. Brick, steel, 3 stories, 76x74 feet, slag roof, oak and pine floors, vapor heat, electric light, metal lath, tile and marble, ornamental iron. Contract awarded to Samuel Dolinsky, 2 North Vermont avenue, Atlantic City, N. J.

Manufacturing Building, Gloucester, N. J. Architect, Clarence Wunder, 1520 Locust street, Philadelphia. Owners, Forest Mercery Co., Gloucester, N. J. Brick, steel, 2 stories and 1 story and basement, 100x43 feet, wing 24x33 feet, electric light, slag roof, pine floors, cement floors, ornamental iron work. Contract awarded E. E. Hollenbach, Inc., 1804 Brandywine street, Philadelphia.

Factory (add.), 1643-47 Haddon avenue, Camden, N. J. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owners, Acme Staple Co., on premises. Brick, steel, 2 stories and basement, 145x87 feet (plumbing, heating and lighting reserved), slag roof, asphalt, pine and maple floors, painting and glazing, hollow metal sash, rolled steel skylights, fire doors, bond, ornamental iron work. Contract awarded Paul Brosz, 2511 West Huntingdon street, Philadelphia.

Residence and Garage, Woodbury, N. J. Architect, Charles R. Peddle, 120 South Fourth street, Philadelphia. Owner, Mrs. Helen K. Knight, care of architect. Frame, 2½ stories, 27x44 feet, 18x20 feet, shingle roof, cement and hardwood floors, warm air heat, electric light, tile work. Contract awarded Heaton & Potter, Woodbury, N. J.

School, Carney's Point, N. J., \$53,487. Architect, Charles R. Peddle, 149 South Fourth street, Philadelphia. Owners, School Board of Carney's Point, N. J. Brick, steel, 1 story, 60x120 feet, slag roof, maple floors. Contract awarded George W. Shaner & Son, Palmyra, N. J.

Residence, Haddonfield, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, F. C. Propert, Haddonfield, N. J. Hollow tile and stucco, 2½ stories, 26x42 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Contract awarded to J. H. Hahn, Collingswood, N. J.

Building (add.), 309 Broadway, Camden, N. J., \$15,000. Architect, F. Herbert Radey, 717 Haddon avenue, Camden, N. J. Owner, D. C. Hart, 309 Broadway, Camden, N. J. Brick, 2 stories add., 21 feet 6 inches x 48 feet, slag roof, electric light. Contract awarded to Percy V. Cope, Kennett Square, Pa.

Building, 1020 North Twenty-fourth street, Camden, N. J., \$6,000. Architect, private plans. Owner, Oscar Steckle, Camden, N. J. Block and stucco, 1½ stories, 27x43 feet, rubberoid roof, hot water heat, electric light. Contract awarded to Adam Stephan, 3275 Pelham Place, Camden.

Lumber Shed, Southeast Corner Front and Chestnut streets, Camden, N. J., \$3,000. Architect, private plans. Owners, C. B. Coles & Sons, Front and Kaighn avenue, Camden, N. J. Frame, 1 story, 56x65 feet, asphalt roof. Contract awarded to Richartz & Furner, 1838 Fillmore street, Camden, N. J.

Miscellaneous Construction News

Theatre (alts.), Baltimore, Md., \$100,000. Architect, William H. Lee, 1505 Race street, Philadelphia. Owners, Independent Theatres Corp., 1321 Vine street, Philadelphia. Details undecided. Plans in progress.

Junior and Senior High School, Hastings-on-the-Hudson, N. Y. Architects, Shreve & Lamb, 331 Madison avenue, New York City. Owners, Board of Education, Hastings-on-the-Hudson, N. Y. Brick, cut stone and steel. Owners taking bids due December 15th.

Miscellaneous

Contracts Awarded

Residence, Winston-Salem, N. C. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, Richard G. Stockton, Winston-Salem, N. C. Brick, 2½ stories, 87x42 feet (plumbing, heating, electric and tile work reserved), slate roof, hardwood floors. Contract awarded Fogle Brothers, Winston-Salem, N. C.

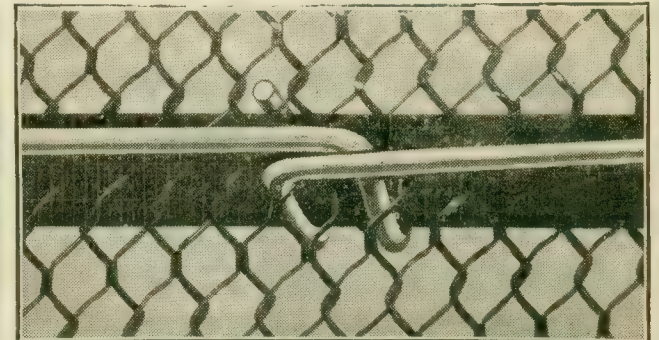
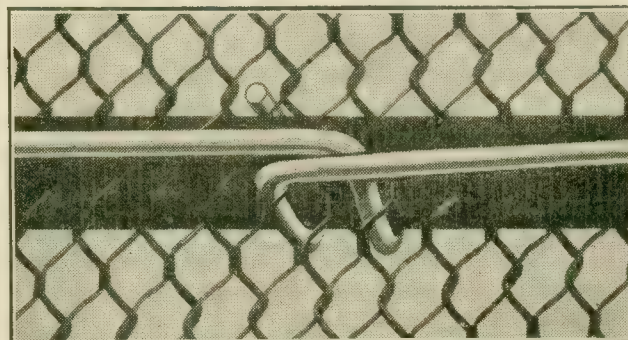
SEMI-ANNUAL STATEMENT BY AMERICAN CONSTRUCTION COUNCIL

*Headquarters 28 West 44th Street, New York—Through its President,
Franklin D. Roosevelt*

Although 1925 has been a record breaking year in volume of building construction for most sections of the country, the first ten months of the year already exceeding the total of 1924, there is still a definite scarcity of suitable housing for persons of average means. The large volume of residential construction has not yet met the country's real housing need. City residential construction has been largely of higher priced apartment hotels and apartments of a speculative nature, and while suburban home developments of the colony type have been very active, they have too frequently been high in price or very inferior in quality. Farm homes, where the owner's individual taste prevails, show a tendency toward modern home improvements and home utilities in an increasing degree.

The general situation as to housing, however, is such as to call attention forcibly again to the great need for proper

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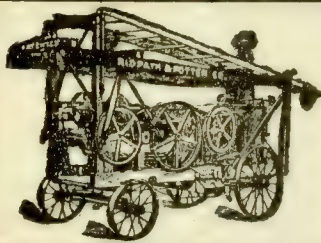
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planning, sounder financing and better construction of homes, a condition which the Council has repeatedly pointed out and already done much to remedy through its nation-wide campaign for better building. Through this movement for better buildings, started by the Council several years ago, representatives of all the component parts of the construction industry, from investor, owner or tenant to builder and mechanic, are engaged in one of the most notable co-operative endeavors of a great industry ever witnessed in modern business to deal with its relations to the public. The Council is happy to state that these efforts are receiving the hearty co-operation of the leading branches of the construction industry, some of which, following its suggestion, have already taken up the problem for careful analysis and treatment from their respective angles. In the last analysis however the remedying of conditions demands that the public of the country, assisted by the intelligent leadership of the industry as a whole, must learn the essentials of right construction and then insist that they be put into practice.

The dominating type of building construction has varied for different sections of the country, depending upon local conditions, but aside from residential work public improvements and utilities and commercial buildings have played a relative large part for many districts. Institutional buildings have also been active.

Present indications point toward an increasing demand for industrial buildings and replacement or alteration of out-of-date buildings of commercial and other types. Building activity has been generally pronounced in outlying districts as well as in the large centers, a tendency which is continuing. Work contracted for and contemplated for winter schedule is much greater than usual this time of the year, showing the growing belief of the public in winter work when it is properly conducted.

Labor productivity has increased and thus helped to reduce actual costs, and the stabilizing influence of this condition, if maintained, will be very helpful for the future. Material prices have also continued relatively stable as a whole. Money for building purposes has been readily available in most localities.

These facts point toward continued stability in volume of operations for the industry as a whole, and the Council urges that all new work possible for the winter season should be undertaken and carried to completion so as to avoid a spring congestion. The public should be doubly cautious, however, as to the character of construction it accepts for its money. With the gradual overcoming of the postwar shortage and passing of temporary building booms in some localities the return to normal consideration

of building values will make structures of inferior quality an increasingly heavy liability. There are evidences in some few localities that the element of caution is already curtailing speculative operations.

The other great branch of construction—the building of highways, transportation systems and the like—also merits the earnest attention of the public. The construction of highways has in many sections been going forward rapidly, but the fast development of suburban districts and the natural growth of outlying areas have brought a serious traffic problem before the country. The better articulation of transportation in its various phases to the needs of each community is a growing necessity. Along with this should go better and broader city planning and zoning which will take into account the needs of the future for years to come. More and better highways to handle adequately the traffic between the fast growing communities in outlying districts as well as to and from the large centers are a large factor in the development of national economy and should receive every proper encouragement.

IMPORTANT CHANGES IN THE MANUFACTURE AND GRADING RULES OF VITRIFIED SANITARY-WARE

Important changes in the manufacture and grading rules of vitrified sanitary-ware became effective last month as the result of a Conference of manufacturers and distributors with government representatives at the Bureau of Standards. It was announced by the Bureau of Standards which has acted as a clearing house for the development of the program. The grading rules do away with Grades A. and B., substituting the classifications "regular selection" and "culls." They also provide for accurate definitions which will facilitate the grading, so that the quality can be determined readily.

The Conference brought together the representatives of 27 companies. The discussion of the grading rules brought to light a sentiment that any run of kiln which fell below "regular selection" should be sold as "off grade" or scrapped. It was pointed out that each piece of ware put through the kiln costs the same to manufacture; and that the proposal would prevent any unscrupulous distributor from selling a Grade B as a Grade A, and leaving an impression in the mind of the purchaser that he was getting a Grade A at a low price. It was further indicated that the proposed classification would be the same as that followed in grading porcelain ware. The change was adopted by each individual present.

The Conference voted to recommend that the United States Government specifications for plumbing fixtures be held

up pending the extension of the program and the following through of the regular procedure of the Division of Simplified Practice. This will not be done until the simplification committee of the industry has compiled results of a questionnaire which will deal with dimensional standards.

As a protection to the buyer, the meeting voted that each manufacturer will make each crate in which "cull" ware is to be shipped with two slashes of red. This will be applied to the small end of such crates, so that they will be visible readily and will indicate to the distributor, or to the user the grade he is getting.

As a further step toward elimination of waste in this industry, steps were taken to survey the variety of items and the demand of each produced by each manufacturer. This will serve as the basis for possible eliminations of obsolete varieties or of those seldom in demand; and will pave the way for a more compact list which will meet all needs.

Because the change of grading rules will involve a complete change of labels by all manufacturers, a sub-committee of manufacturers was appointed comprising H. S. Maddock, of Thomas Maddock's Sons Company, Trenton, N. J.; George E. Hoffman, of the Trenton Potteries Co., and W. C. Chamberlin of the Standard Sanitary Manufacturing Co., of Pittsburgh, Pa.

The conferrees took immediate steps to notify all distribution centers of the changes in grading, and in grading rules, and to cause the preparation of 100,000 copies of the new rules, which are to be put into the hands of the plumbing trade, architects, contractors and others who have an immediate and direct interest in the action taken.

The attendance included the following: W. J. J. Bowman, Superintendent, Trenton Fire Clay & Porcelain Co., Trenton, N. J.; E. V. Brigham, Vice-Pres., Kalamazoo Sanitary Manufacturing Co., Kalamazoo, Mich.; Arthur J. Burgnor, Superintendent, Resolute Pottery Co., Trenton, N. J.; Frederic R. Byford, Pres., Potomac Pottery Co., Inc., Keyser, W. Va.; W. C. Chamberlin, vice-pres., and general sales manager, Standard Sanitary Mfg. Co., Pittsburgh, Pa.; F. G. Clifford, president, Chicago Pottery Co., Chicago, Ill.; A. C. Cochran, manager, Kohler Co., Trenton, N. J.; H. N. Corning, Ironsides Pottery Co., Bordentown, N. J.; R. E. Crane, president, Elir Co., Ford City, Pa.; Thomas N. Deets, President, Economy Pottery Co., Trenton, N. J.; James A. Dorety, Jr., president, Acme Sanitary Pottery Co., Trenton, N. J.; Philip I. Faherty, vice-president, Lambertville Pottery Co., Lambertville, N. J.; C. T. Ford, Sales Department, Mueller Co., Decatur, Ill.;

James G. Gastler, Office Mgr., J. Amis-son & Sons Pottery Co., Bristol, Pa.; A. S. Healey, secy.-treas., Healey Pottery Co., Trenton, N. J.; George E. Hoffman, sales mgr., Trenton Potteries Co., Trenton, N. J.; Chris. Horton, president, Horton Pottery Co., Chillicothe, O.; F. A. Jones, Vice-Pres., and Gen. Mgr., Abingdon Sanitary Mfg. Co., Abingdon, Ill.; G. C. Kalbfleisch, Gen. Supt., of Potteries, Standard Sanitary Mfg. Co., Pittsburgh, Pa.; C. J. Kirk, president, Universal Sanitary Mfg. Co., Newcastle, Pa.; Harry J. Lyons, president, Keystone Pottery Co., Trenton, N. J.; A. M. Maddock, president, and H. S. Maddock, vice pres., Thomas Maddock's Sons Co., Trenton, N. J.; James E. Norris, Ironsides Pottery Co., Bordentown, N. J.; Arthur Plantier, president, Sanitary Earthenware Specialty Co., Tiffin, O.; Arthur J. Podmore, Treas., Camden Pottery Co., Camden, N. J.; George E. Rhodes, Pres., Kokomo Sanitary Pottery Co., Kokomo, Ind.; B. O. Tilden, Pres., B. O. T. Manufacturing Co., Trenton, N. J.; Oscar B. Van Fleet, Pres., Van Pottery Co., Trenton, N. J.; J. E. Wright, Pres., Wheeling Sanitary Mfg. Co., Wheeling, W. Va.; Carl H. Zwermann, W. A. Case & Son Mfg. Co., Robertson, Ill.; P. H. Bates, chief, Ceramics Division; Dr. L. J. Briggs, chief, Division of Mechanics and Sound; I. J. Fairchild, and A. C. Harrison, Bureau of Standards; H. R. Colwell, simplification specialist, Division of Simplified Practice. Frederick W. Donahoe, of Pittsburgh, secretary of the simplification committee.

The further surveys to be made of the industry will be under the direction of Mr. Donahoe.

Methods of making satisfactory plastic magnesia, used extensively in the manufacture of stucco and composition flooring, from the magnesite deposits of the Western States have been developed as the result of an investigation conducted by the Bureau of Mines, Department of Commerce. The investigation also revealed that plastic magnesia of fair quality could be produced from dolomite, a material cheaply obtainable in the Eastern States, where the market for plastic magnesia is largest. The experimental work of the Bureau of Mines was conducted with magnesite from Washington and California, with the view of aiding American producers in establishing a domestic industry to compete with material heretofore largely imported.

The first commercial use of magnesian cements was in Germany, the Bureau of mines points out in a report just issued. Their use in the United States was just being established at the beginning of the World War, but is gaining rapidly at present. Most of the plastic magnesia

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now made from domestic magnesite comes from California producers.

Magnesia stucco has gained headway in competition with cement stucco largely because it makes a stronger, harder, and more elastic cement which adheres more firmly to wood surfaces and takes and holds dashes of ornamental colored pebbles as well as other stuccos. This stucco gives a house a more finished appearance, probably due to the colored pebbles, but it has one disadvantage—it is not as weatherproof as cement stucco. Weatherproofing compounds are therefore being tried. The structural firmness and density of the stucco are the qualities that best insure protection, and these qualities largely depend on the quality of the plastic magnesia used, which in turn depends mainly on selecting suitable raw material and accurately controlling the proper calcining temperature. Judged from the cumulative experience of the industry, properly made magnesian stucco is resistant enough to weathering to be considered entirely satisfactory.

Composition floors, if properly laid, are quite satisfactory. They are permanent, warm to the touch, elastic, fireproof and fairly ornamental, and can be laid over old or new wooden floors. Bathroom floors and walls are now quite often covered with the composition and bathtubs are frequently encased in it. Slabs of the same material, often appropriately tinted, are used for drainboards in kitchen sinks and for similar purposes.

Interior plaster made with plastic magnesia offers a field as yet little exploited. Other uses for the material will doubtless develop. At present manufacturers of composition flooring and of stucco buy plastic magnesia and prepare mixtures that are ready to be moistened with magnesium chloride solution at the point of application. Formerly the supply of plastic magnesia was variable and occasionally bad, but this condition is now rapidly improving.

Recarbonation of free lime in burned dolomite or plastic magnesia, in order that these materials will yield satisfactory magnesian cements, has proved of great value for dolomites, but of doubtful value for magnesites, although they are benefited to some extent.

The big centers of consumption of plastic magnesia are in the Eastern States, whereas the only producing districts of the country are in California and Washington. On the other hand, large supplies of good dolomite are available in the East and the Bureau of Mines tests have shown that recarbonated dolomite makes very satisfactory stuccoes. Dolomite does not contain enough magnesia for flooring cements. However, since 80 per cent. of the plastic magnesia sold is used for stucco,

recarbonated calcined dolomite could satisfactorily supply most of the demand for plastic magnesia.

Research undertaken to show the suitability of Washington crystalline magnesite for the manufacture of plastic magnesia, while accomplishing its purpose definitely and satisfactorily, incidentally discovered a process for using dolomite in magnesian mortars which may well prove commercially important. This discovery indicates a use for vast deposits of pure dolomite near eastern consuming centers and may revolutionize the magnesian mortar industry.

The results of this investigation are contained in Bureau of Mines Bulletin 236, "Plastic magnesia," by Oliver C. Ralston, Robert D. Pike, and Lionel H. Duschak, copies of which may be obtained from the Superintendent of Documents, Washington, D. C., at a price of 30 cents.

ENTIRE NATION WILL OBSERVE "GOOD ROADS WEEK"

*Civic Celebrations to be Held at Many
Points in Connection with Big Road
Builders Convention in Chicago,
Jan. 11-15*

Various highway associations, motor clubs, commercial bodies and road contractors and material men's organizations have adopted resolutions pledging their support to the movement sponsored by the American Road Builders' Association, for the observance of "Good Roads Week" throughout the country, Jan. 11 to 15, inclusive. The local celebrations will be staged in conjunction with the great good roads convention to be held in Chicago that week attended by 30,000 delegates from governments, states, counties and cities in this and Pan-American countries. Not only will this convention and the "Good Roads Week" celebrations be held under the auspices of the Road Builders' Association but the latter organization is promoting also a great exposition of road building and maintenance machinery, methods, materials and appliances to be housed at the Chicago Coliseum the same week.

Extensive arrangements for the observance of "Good Roads Week" are being worked out for public and private schools, engineering colleges, civic and fraternal organizations, motor clubs and automobile associations, highway bodies, chambers of commerce, boards of trade and other instrumentalities. The local celebrations, as well as the Chicago convention and exposition, are expected to add a great stimulus to the nation's program of highway improvement now so closely allied and interwoven with the development of

the automotive industry.

The governors of all the states, the governing boards of the counties and the mayors of the cities are being requested by W. H. Connell, president of the American Road Builders' Association, to send three or more official delegates to the big dual event in Chicago. The United States Bureau of Public Roads is taking a great interest in the convention and will have a big exhibit at the exposition.

Arrangements for both "Good Roads Week" and the Chicago convention and exposition are being handled from headquarters of the American Road Builders' Association in New York, Chicago and Raleigh, N. C.

STRENGTH OF HOLLOW TILE WALLS DETERMINED BY BUREAU OF STANDARDS

*Seventy Walls Crushed in Largest
Testing Machine in the World*

An investigation has recently been completed at the Bureau of Standards, Department of Commerce, on the strength of seventy hollow tile walls. The tiles were secured from widely separated regions in the eastern United States and covered practically the entire range in quality of clays used for making hollow tiles. These walls were crushed in the largest testing machine in the world, which can exert a force of 10,000,000 pounds. The results of these tests will enable engineers and architects to use this valuable building material properly since the wall strengths themselves were actually found.

The average person gives little attention to the various types of construction used in the buildings which house and shelter him. It is usually assumed, without question, that the strength of all of the members which make up structures he enters, is adequate for the purpose used. In almost all cases this is true, yet few realize that this is not so by accident but is the result of many years of experience and research. The necessity for and the serious attempts to secure more economical construction by reducing the amount of materials used has made necessary strength tests of the sort just described.

The valuable man in any business is the man who can and will co-operate with other men. The foreman who opposes the introduction of a new man into an institution and fights every innovation which he himself does not suggest, is doomed to a gradual and creeping defeat. Men succeed only as they utilize the services and ideas of other men. Co-operate!

The BUILDERS' GUIDE is in its fortieth year of continuous publication.

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BUILDING NEWS.

Daily Building News.....1530 Chestnut St., Phila.

BUILDERS' SUPPLIES.

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West Jersey Sand & Supply Co.,
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West Jersey Sand & Supply Co.,
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Harsch, Wm. F.Narberth, Pa.

Massiah, Frederick. Juniper and Cypress Sts., Phila.

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Pearce Fireproof Co.1911 N. 2nd St., Phila.

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Stroudsburg Septic Tank Co. 328 Chestnut St., Phila.

CONCRETE WORK.

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DAILY BUILDING NEWS.

Building News Pub. Co.1530 Chestnut St., Phila.

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Entered at the Philadelphia Post Office as Second-Class Matter

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December 9, 1925

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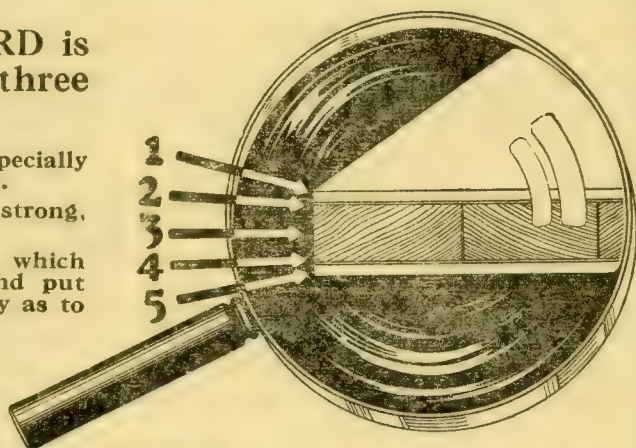
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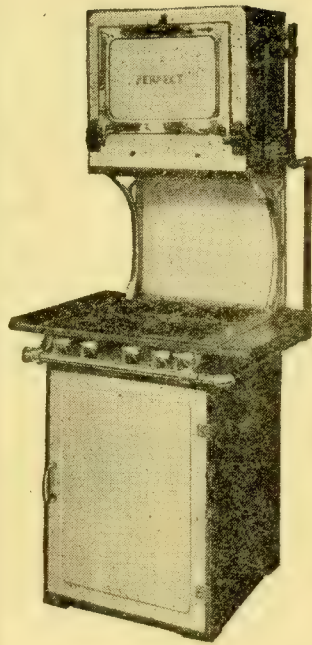
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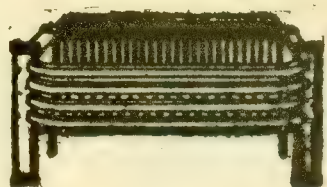
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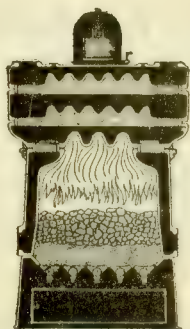
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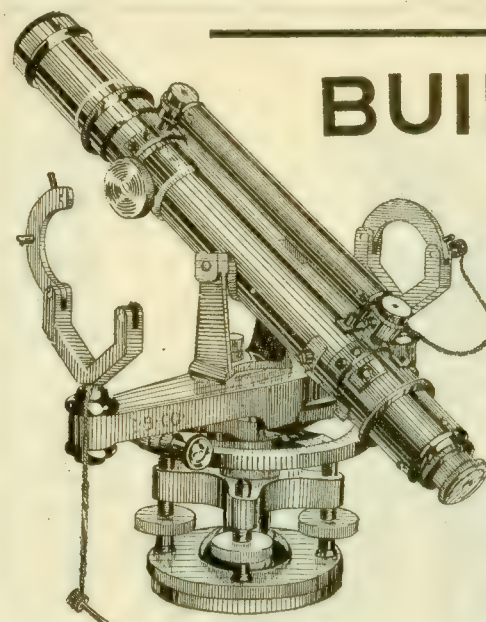
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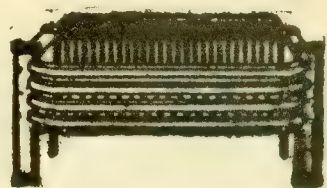
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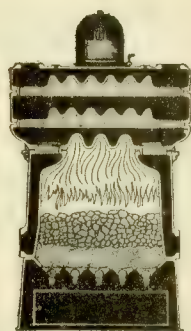
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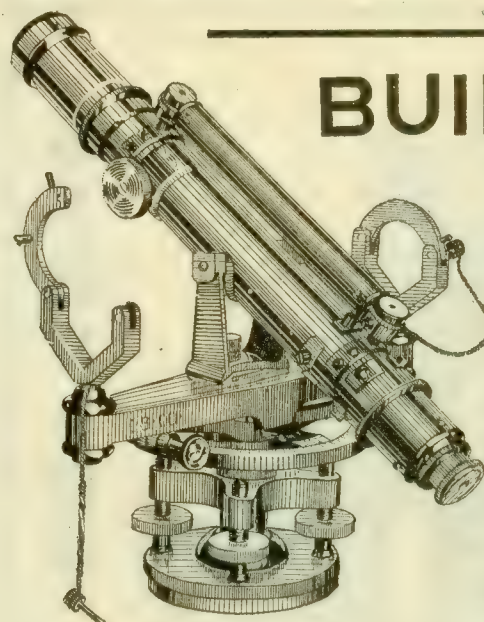
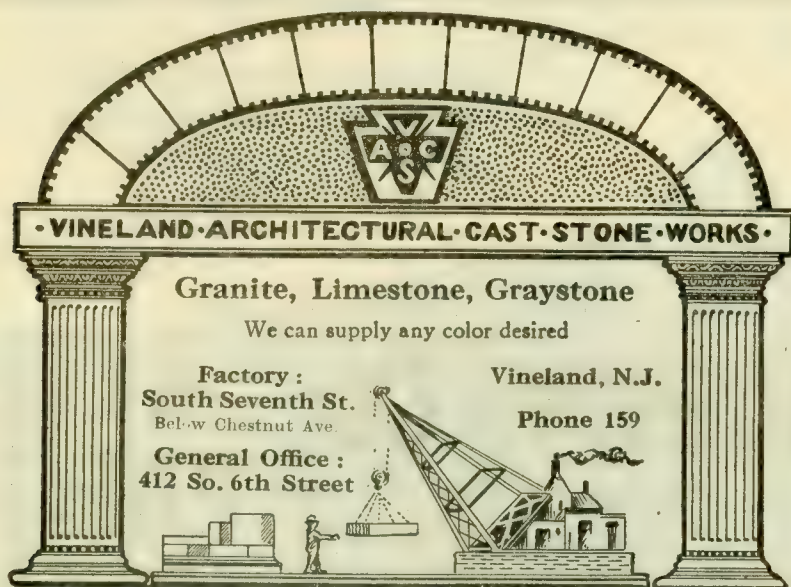
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XL
Number 49

PHILADELPHIA
December 9, 1925

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BY

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As The Editor Sees It



ANNUAL CONVENTION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION

Definite steps to further the progress of the structural steel industry by means of closer internal co-operation, by the application of the most approved business practices, and by the education of the public in regard to the advantages of structural steel marked the annual convention of the American Institute of Steel Construction held at White Sulphur Springs, West Virginia, last month.

The members of the Institute to the number of 160, together with a number of the country's foremost engineers and architects attending the convention as guests, were welcomed by C. Edwin Michael, President of the Virginia Bridge and Iron Company, Roanoke, Virginia. Mr. Michael reviewed the achievements of the Institute in the past, including the formulation of the 18,000 pound unit of working stress and the code of standard practice, and then outlined the steps which remain to be taken or encouraged by the Institute.

Striking the Keynote

The keynote of Mr. Michael's address, and in fact of the whole convention, was

struck, when in summing up, Mr. Michael said, "Sectional and group co-operation of members is necessary to eliminate duplication of expensive practices. Accurate cost finding, modern selling methods, economical distribution, and a campaign of intelligent and forceful publicity promoting the use of structural steel are essential for the success of all engaged in the industry." Mr. J. L. Kimbrough, President of the American Institute of Steel Construction replied to the address of welcome.

During the business sessions that followed, the passage of a number of resolutions and the adoption of a new budget gave the board of directors the authority and the means to initiate a program of activity involving the recommendations made by Mr. Michael. This constructive action, according to the officers and directors of the Institute, makes the 1925 convention a mile-stone in the career of the American Institute of Steel Construction and in that of each individual member.

Technical Discussions

Aside from the strictly business sessions, a considerable portion of the convention's time was devoted to discussions of various technical phases of the indus-

try. R. A. Storm, Manager of the structural department of the Morgan Engineering Company, Alliance, Ohio, delivered an address on "Electric Arc Welding and Its Application To Structural Steel" in the course of which he stated that tests conducted by his company in connection with the erection of an electrically welded frame for a twelve story building in Detroit showed that the joints held until they were subjected to nine times the safe load.

Speaking on the use of steel in residences, farm buildings, garages, and small apartments, Henry R. Brigham, Chairman of the Housing Committee of the National Association of Real Estate Boards, stated that such construction offered an almost untouched field for the expansion of the structural steel industry. As an illustration of the practicality of steel frame construction for such buildings he cited the fact that a builder who is now building small houses with steel frames and metal laths has found that the cost of the steel for a six room bungalow is about \$75 less than the cost of wood joists, rafters, studs and laths.

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in the structural steel industry was emphasized in a paper by Dr. George F. Swain, Professor of Civil Engineering, Harvard University. A paper by H. A. Frommelt, Consulting Engineer of Milwaukee, Wisconsin, urged the adoption of the apprenticeship system in the building trades. Among the other addresses delivered before the Institute were:

"The Fireproofing of Structural Steel," by B. C. Collier, President, Cement-Gun Company, Inc., Allentown, Pa.

"An Investigation to Determine the Cause of Rivet Failures in Driving," by A. L. Spencer, Jr., Pittsburgh Screw and Bolt Company, Pittsburgh, Pa.

"My Experience with Concrete and Steel in Building Construction," by Albert C. Martin, Architect and Engineer, Los Angeles, California.

"Structural Steel in Earthquake Areas," by John L. Clymer, Manager, Northern California Division, California Institute of Steel Construction.

"Tests of I Beams Encased in Concrete," by Dr. H. M. McKay, Dean Faculty of Applied Science, McGill University, Montreal, Canada.

"The Structural Steel Industry and Its Future," by H. A. Fitch, President, Kansas City Structural Steel Company, Kansas City, Kansas.

Elections

J. L. Kimbrough, Indiana Bridge Company, Muncie, Indiana, was re-elected president of the Institute for the ensuing year. The other officers—W. M. Wood, Mississippi Valley Structural Steel Company, Decatur, Illinois; Charles F. Abbott of New York; and Lee H. Miller, of Cleveland, Ohio—were re-elected vice president, executive director, and chief engineer respectively. C. E. Michael, Virginia Bridge and Iron Company, Roanoke, Virginia, was elected to the new office of second vice president.

The following were elected as new directors: W. S. Mosher, Mosher Steel & Machinery Company, Dallas, Texas;

R. Llewellyn, Llewellyn Iron Works, Los Angeles, California and C. E. Michael, Virginia Bridge & Iron Company, Roanoke, Virginia. N. W. Warren, Dominion Bridge Company, Montreal, Canada, was elected to fill the unexpired term of E. S. Mattice, Canadian Vickers, Ltd., Montreal, Canada.

The five men who formulated the standard specification of the Institute involving the 18,000 pound unit of working stress were elected as the first honorary members. Their names are: G. F. Swain, Professor of Civil Engineering, Harvard University; M. S. Ketchum, Dean of the College of Engineering, University of Illinois; E. R. Graham, of Graham, Anderson, Probst & White, architects, Chicago, Illinois; W. J. Thomas, Chief Engineer, G. B. Post & Sons, architects, New York, and W. J. Watson, President, Watson Engineering Company, Cleveland, Ohio.

THE TOLL OF JURISDICTIONAL DISPUTES

By JOHN J. DAVIS, *Secretary of Labor*
I am interested in the National Board of Jurisdictional Awards. I am interested in it for a number of good reasons. And I am warmly interested.

As I see it and from the information I gather, it is a representative organization. It represents every party and all parties to a jurisdictional dispute. If all parties are not in, there is plenty of room for them to get in. I am interested in this Board because it was suggested by labor and it was started by John B. Lennon, a commissioner of conciliation who was directed to do so by the then Secretary of Labor. That was in 1918. This Board has settled hundreds of these jurisdictional disputes since then, and has saved millions and millions of dollars for the American people. The whole country is interested in this Board. The need of this Board is plain to all. The

(Continued on page 782)

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Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Apartment House, Marshall and Boulevard, Philadelphia. Architects, Thomas B. Lippincott and Charles F. Schaef, 11 South Sixteenth street, Philadelphia. Owner, A. Leibman, care of architect. Brick, concrete block, 3 stories, 42 apartments, court yard, slag and tile roof, hardwood floors, door beds, incinerator, 12 garages in basement, laundry equipment, fire tower, kalamein doors, tile work, metal lath, electric light, oil burning, vapor heat. Plans in progress.

Restaurant (alts. and add.), 23 South Eighth street, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owner, Bain's, 23 South Eighth street, Philadelphia. Rubber tile floors, dumb waiter, electric light, metal ceilings, ornamental iron work. Plans in progress.

Residence and Garage, Oxford road and Horrocks street, Philadelphia. Architect, A. C. Borzner, 717 Walnut street, Philadelphia. Owner, Mrs. B. B. Erdrick, 1890 Bridge street, Philadelphia. Stone, 2½ stories, slate roof, hardwood floors, electric light, tile and marble work. Plans in progress.

Garage, Germantown, Philadelphia. Architect, J. L. Conaroe, 225 South Sydenham street, Philadelphia. Owner, name withheld. Stone, 2 stories, 23x24 feet, slate roof, cement floors, electric light. Plans in progress. Will take bids early in 1926.

Double Residence (alts. and add.) to Apartments, Kensington, Philadelphia. Architect, Edward Schoeppe, 316 South Fifteenth street, Philadelphia. Owner, name withheld. Carpentry and mill work, 9 apartments, hot water heat, oil burning, electric light, hardwood floors, plumbing, brick fire tower, tile work. Preliminary plans in progress.

College and Hospital Building, Northwest Corner Twentieth and Callowhill streets, Philadelphia. Architect, H. Hall Marshall, 370 Lexington avenue, New York City. Owners, Trustees of Hahnemann Hospital, Fifteenth above Race streets, Philadelphia. Stone, brick, steel, concrete, marble, 26 stories, 495x225 feet size of lot. Plans in progress.

Hospital (add.), Broad and Fitzwater streets, Philadelphia. Architect, selected, Emil G. Perrot, 1211 Arch street, Philadelphia. Owners, Woman's Southern Homeopathic Hospital, on premises. Sketches drawn. Plans about to be started.

Building (alts.), Northeast Corner Sixth

and Chestnut streets, Philadelphia. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owners, Sixth and Chestnut Street Corporation, care of architect. General alterations. Plans in progress.

Bank and Office Building, 1423-25 Walnut street, Philadelphia. Owner, George W. Davis, 1306 Chestnut street, Philadelphia. Limestone, brick, steel, concrete, 12 stories, 37 feet 4 inches x 97 feet. Work contemplated.

Apartment House, 717 Spruce street, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owner, Dr. M. E. Lapaywker, care of architect. Stone, brick, 3 stories, 20x130 feet, slag roof, pine and hardwood floors, steam heat, electric light, metal lath, tile and marble work, rolled steel skylights, bond, ornamental iron work. Plans in progress.

Store Building, 929 Market street, Philadelphia, \$500,000. Architect, LeRoy B. Rothschild, 213 S. Broad Street, Philadelphia. Owners, Harry C. Kahn & Son, Eleventh and Filbert streets, Philadelphia. Reinforced concrete, brick, steel, stone, 8 stories, 23x200 feet, tile and marble work, electric light, elevators, plate glass. Plans in progress. Will be ready for bids about February 1st.

Store Building (alts. and add.), 5219 Market street, Philadelphia. Architects, J. L. Stetler and H. M. Deysher, Jefferson Building, Philadelphia. Owners, Hagen Hdwe. Co., on premises. Castone front, brick, 2 stories, 20x100 feet, slag roof, hot water heat, electric light, oil burning, passenger and freight elevators, plate glass, metal bulks. Plans completed. Owners taking sub-bids.

Stores (8) and Apartments, Rising Sun avenue and Roosevelt Boulevard. Architect, Engineer M. M. Boonin, 17 South Seventeenth street, Philadelphia. Owners, H. Denerman & H. Feineman, 303 East Roosevelt Boulevard, Philadelphia. Stone, brick, steel, 2 stories, 16x47 feet and 13x10 feet 6 inches, hot water heat, electric light, tile bath, slag and Mohawk roof, oak and pine floors, metal ceilings, cold water painting, copper bulks, hollow metal skylights, flush bulks, iron stairs. Owners taking sub-bids due as soon as possible.

Store and Dwelling (alts. and add.), 1229

South street, Philadelphia. Architect, Jacob Naschold, 5234 North Second street, Philadelphia. Owner, Ida Burke, on premises. Brick, third story add., 14x54 feet, store in basement, hot water heat, electric light, slag roof, hardwood floors, plumbing. Owner will be ready for bids in two weeks.

Residence, Sixty-first and Cedarhurst streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Frank C. Scheid, Southwest Corner Broad and McKean streets, Philadelphia. Brick, strucco, 2 stories, 30x52 feet, wing 2 stories, 10x15 feet, tile and slag roof, hardwood floors, hot water heat, electric light, tile work. Owner ready for sub-bids.

Garage, 247-49 South Sixth street, Philadelphia. Architect, Arnold Mueller, 901 Walnut street, Philadelphia. Owner, name withheld. Brick, reinforced concrete, 2 stories and basement, 44x181 feet, slag roof, cement floors, electric light. Plans in progress. Architect will be ready for sub-bids in two weeks.

Building (alts. and add.), Church and Tacony streets, Philadelphia. Architect, private plans. Owners, F. P. Woll & Co., on premises. Brick, steel, concrete, 2 stories, 28x49 feet, slag roof, cement floors, electric light, tile work, ornamental iron work. William F. Newberry Co., Otis Building, Philadelphia, taking sub-bids due December 17th.

Cases and Appurtenances, National Museum, Sixth and Chestnut streets, Philadelphia. Owners, Department of Public Works, Bureau of City Property, 216 City Hall. Owners taking bids due December 15th noon. Certified check 5 per cent. of bid.

Clubhouse and Hotel, Northeast Corner Twentieth and Sansom streets, Philadelphia. Architect, Arthur Loomis Harmon, 19 West Forty-fourth street, New York City. Owners, Emergency Aid Society, Mrs. J. Willis Martin, Twenty-first and Walnut streets. Brick, steel. Architect taking bids due December 21st.

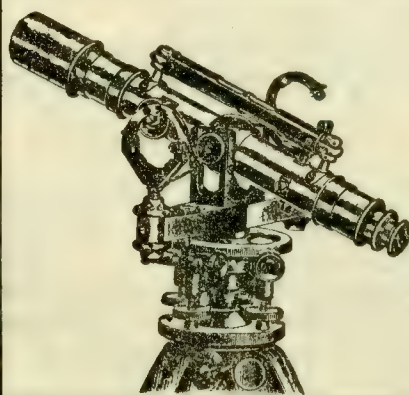
Garage (1), Residences (16), Store and Two-Family Residence (1), D, Courtland and Whittaker streets, Philadelphia. Architect, private plans. Owner, S. Gourley, 1938 West Erie avenue, Philadelphia. Brick, garage, 1 story, 212x17 feet, residences; 2 stories, va-

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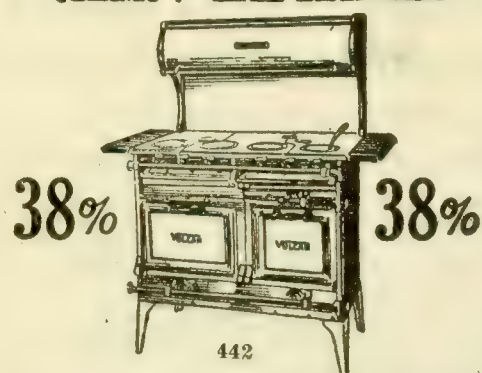
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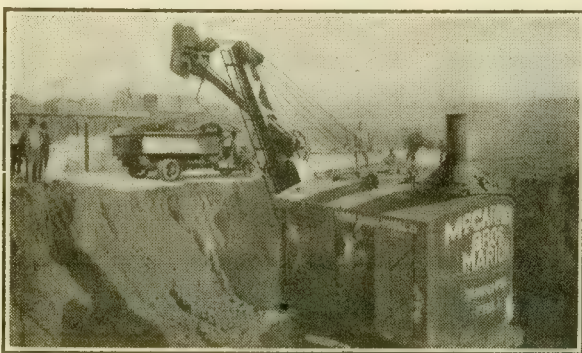
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rious sizes, slag roof, hardwood and pine floors. Permit granted.

Storage Building, West side Milnor street, South of Bleigh street, \$20,000. Architect, private plans. Owners, L. Martin Company, on premises. Concrete and hollow block, 1 story, 59 feet 6 inches x 60 feet, slag roof, electric light. Permit granted.

Residence, Northwest Corner Naple and Ferndale streets, Philadelphia, \$6,000. Architect, private plans. Owner, Edwin Davis, 7802 Verree road, Philadelphia. Frame, 2 stories, 26x41 feet, shingle roof, hardwood and pine floors, electric light. Permit granted.

Residences (2), South side Stanwood street, East of Loretta street, \$4,500. Architect, private plans. Owner, A. J. Cassidy, 1534 Overington street, Philadelphia. Brick, 2 stories, 16 feet 4 inches x 44 feet, slag roof, hardwood and pine floors, electric light. Permit granted.

Store Building (alts. and add.), 300-02 West Roosevelt Boulevard, \$2,000. Architect, private plans. Owner, Joseph Glaser, 302 West Roosevelt Boulevard, Philadelphia. Brick, 1 story add., 21x30 feet, general alterations. Permit granted.

High School, Fifty-third and Media avenue, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Low bidders: W. R. Dougherty, 1610 Sansom street, Philadelphia, \$1,022,000; Cramp & Co., Denckla Building, Philadelphia, \$1,036,300; heating, S. Faith & Co., 2427 Pennsylvania avenue, Philadelphia, \$95,996; plumbing, S. Faith & Co., 2427 Pennsylvania avenue, Philadelphia, \$46,995.50; ventilating, Philadelphia Piping Co., care of owners, \$8,199; electric, J. T. Casey, 207 South Front street, Philadelphia, \$43,785. Specification 453, heating, S. Faith & Co., 2427 Pennsylvania avenue, \$600. Specification 449, Walker & Kepler, 530 Chestnut street, Philadelphia, \$520. Specification 454, Girls' Trade School, general equipment, Walker Kepler Co., 530 Chestnut street, Philadelphia, \$10,881. Specification 456, boiler, Mellon & Co., 4415 Ludlow street, Philadelphia, \$34,943. Specification 457, radiation, Philadelphia Piping Co., care of owners, \$178. Specification 458, Philadelphia Piping Co., care of owner, \$430.

Residences and Garages (30), 6601-69 Blake more street, \$210,000. Architect, private plans. Owner, E. K. Davis, 314 Vernon road, Philadelphia. Brick, 2 stories, 18 feet 8 inches x 56 feet, slag roof, hardwood, pine and cement floors, hot water heat, electric light, tile work, garages, 1 story, cinder block, 10 feet 6 inches x 18 feet. Permit granted.

Apartment, Northeast Corner Forty-fifth and Pine streets, Philadelphia, \$100,000. Architect, Joseph H. A. Seipel, 5350 Columbia avenue, Philadelphia. Owner, Nathan Litman, Forty-fifth and Pine streets, Philadelphia. Brick, steel, 4 stories, 152x92 feet, slag roof, hardwood, pine and cement floors, hot water heat, electric light, tile work. Permit granted.

Residences (2), South side Fanshawe street, West of Bingham street, \$11,000 total. Architect, private plans. Owner, John Schom, 901 Unruh street, Philadelphia. Frame, 2 stories, 14 feet 4 inches x 46 feet 6 inches, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residences (5), McGee street, West of Bingham street, Philadelphia, \$5,000 each. Architect, private plans. Owner, S. A. Feldman, 1612 Conlyn street, Philadelphia. Brick, 2 stories, (2) 15x37 feet, (4) 15x27 feet, 12x10 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residence, North side Murray street, West of Dungan road, Philadelphia, \$5,000. Architect, private plans. Owner, Thomas C. Copeland, Bustleton, Philadelphia. Frame, 2 stories, 24x26 feet, shingle roof, pine floors, electric light. Permit granted.

Residences (2), North side Laughlin street, East of Rising Sun avenue. Architect, private plans. Owners, Conner & Speth, 3636 North Sixth street, Philadelphia. Stone and brick, 2 stories, 16 feet 4 1/2 inches x 46 feet, hardwood and pine floors, hot water heat, electric light. Permit granted.

Building (add. and alts.), 1339 South Fourth street, Philadelphia, \$2,000. Architect, private plans. Owner, Charles Harris, 1345 South Fourth street, Philadelphia. Brick, 3 stories add., 12x11 feet, general alterations. Permit granted.

Residence, 623 Summit avenue, Philadelphia, \$7,500. Architect, private plans. Owner, Walter Deardon, 533 East Conarroe street, Philadelphia. Boick, 2 stories, 25x24 feet, electric lighting, hardwood and pine floors. Permit granted.

Residences (4), West side Argyle street, North of Levick street, \$5,500 each. Architect, private plans. Owner, W. R. Isbro, 410 Levick street, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, hardwood and pine floors, electric lighting. Permit granted.

Garage, North side Indiana avenue, West of Mascher street, Philadelphia, \$2,000. Architect, private plans. Owner, Joseph R. Ray, 2950 North Second street, Philadelphia. Brick, 1 story, 96x16 feet, slag roof, cement floors, electric lighting. Permit granted.

Garage, Northeast Corner Sixty-fifth and Chester avenue, Philadelphia, \$4,000. Archi-

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tect, private plans. Owners, Woodland Construction Co., on premises. Brick and concrete, 2 stories, 40x67 feet, slag roof, cement floors, electric lighting. Permit granted.

Residences (2), 1216-18 Shelmire street, Philadelphia, \$4,000 each. Architect, private plans. Owner, D. W. Rutter, 460 Robbins avenue, Philadelphia. Brick, 2 stories, 16x35

feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Church, Twelfth and Mellon streets, Philadelphia. Architect, G. Willis Gilmore, 2629 North Broad street, Philadelphia. Owners, Zoar Methodist Episcopal Church, Rev. W. H. Barnes, president of Board of Trustees, 1315 North Fifteenth street, Philadelphia. Architect taking bids due December 19th.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Store and Residence, 764 South Fourth street, Philadelphia, \$6,500. Architect, private plans. Owner, Charles Stayler, on premises. Brick, 2 stories, slag roof, pine floors, electric lighting. Contract awarded to Harry Miller, 422 Catharine street, Philadelphia.

Office Building, 1409-15 Arch street, Philadelphia. Architects, William G. Perry, Shaw & Hepburn, 177 State street, Boston, Mass. Owners, Utilities Realty Co., care of C. W. Hunter, vice-president, care of United Gas Improvement Co., Broad and Arch streets, Philadelphia. Brick, reinforced concrete, granite, steel, 14 stories and basement, 98x92 feet, composition tile roof, cement and linoleum floors, hollow tile, shoring, dampproofing, architectural terra cotta, ornamental iron work, iron stairs, floor hardener, bond, hollow metal doors, rolled steel skylights, hollow metal sash, tile, marble and terrazzo work, metal lath, bronze work, mail chute, vitrolite toilet stalls, membrane and integral waterproofing, granolithic floors, albero stone, area gratings (steam heat, plumbing, drainage, vacuum cleaning systems, refrigeration, plumbing, electric power and lighting systems, fire alarms, ash hoists, telephone system, elevators reserved). Contract awarded Murphy Quigley Co., 1524 Sansom street, Philadelphia.

Hospital, Eighth and Spruce streets, Philadelphia. Architects, Zantinger, Borie & Medary, Otis Building, Philadelphia. Owners, Pennsylvania Hospital, on premises. Brick, reinforced concrete, steel, 4 stories and basement, 142x60 feet, steam heat, electric light, metal lath, tile work, marble and terrazzo work, hollow metal sash, copper skylights, tin-clad doors, bond, floor hardener, iron stairs, ornamental iron work, slag roof, cement floors, hollow tile, elevators, metal weather strip, shoring, dampproofing, demolition, integral and membrane waterproofing, rolled steel art windows, area gratings, iron ladders, kalamein doors, metal partitions, painting and glazing, hardware, ornamental bronze, rubber tile floors, dumb waiter and equipment, plumbing, wrought iron pipe, brass pipe, refrigerator equipment, ventilating system. Contract awarded F. L. Hoover & Son, 1023 Cherry street, Philadelphia.

Church, Germantown, Philadelphia. Architect, George Savage, Witherspoon Building, Philadelphia. Owners, Cliveden Presbyterian Church, Germantown, Philadelphia. Stone, limestone, 1 story and basement and gallery, 74x40 feet, wing 77x22 feet, composition floors, plumbing, waterproofing, ornamental iron work, metal lath, tile work, steam heat, electric light, leaded glass, mineral floors. Contract awarded George B. Bond, Thirteenth and Sixty-sixth avenue, Philadelphia.

Apartment House, Fifty-second and Pent-

ridge streets, Philadelphia. Architect, private plans. Owner, name withheld. Brick, 4 stories and basement, 90x80 feet, slag roof, oak, pine and composition floors, plumbing, steam heat, electric light, metal lath, tile work, kalamein doors, ornamental iron work. Contract awarded John N. Gill Const. Co., City Center Building, Philadelphia.

Tabernacle (completion) 1608 W. Allegheny Ave., Phila., \$60,000. Architect, H. G. Hammer, 1716 Spring Garden street, Philadelphia. Owners, Berachah Tabernacle, 2244 North Twenty-ninth street, Philadelphia. Brick, steel, 1 story and balcony, 61 feet 6 inches x 100 feet 11 inches, slag roof, cement and North Carolina pine floors, steam heat, electric light, metal lath, ornamental iron work, limestone, plumbing, wrought iron pipe, rolling steel doors, mineral floors, art metal work. Contract awarded to Michael McCullough, 2409 North Sharswood street.

Sales and Service Building, East side of Broad, above Allegheny avenue, Philadelphia. Architect, Philip S. Tyre, 114 South Fifteenth street, Philadelphia. Owners, Packard Motor Co., Broad and Wood streets, Philadelphia. Brick, steel, reinforced concrete, limestone, cast stone, granite, 4 stories and basement, 265x200 feet, slag roof, cement floors, shoring, hollow tile, elevators, safety treads, painting and glazing, R. I. W. waterproofing, ornamental iron work, iron stairs, floor hardener, fire doors, copper skylights, rolled steel sash, tile, marble work, metal lath, bronze doors, ramps, dumb waiters, area gratings,

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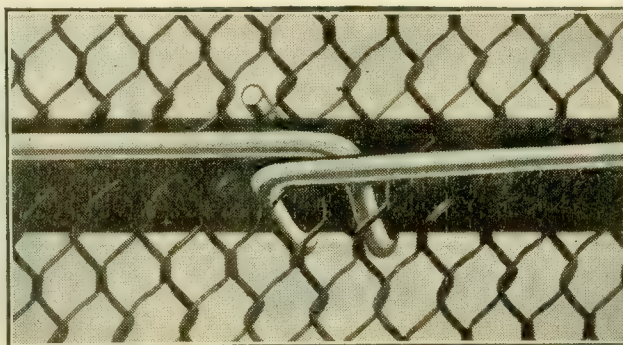
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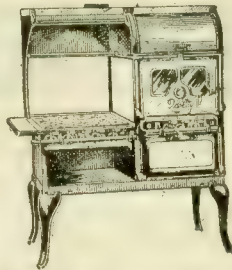
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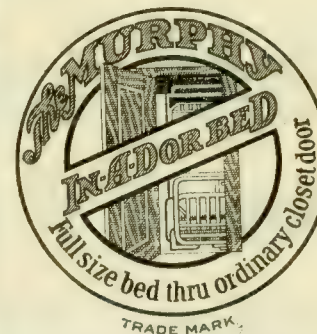
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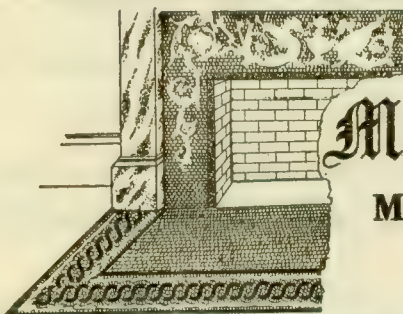


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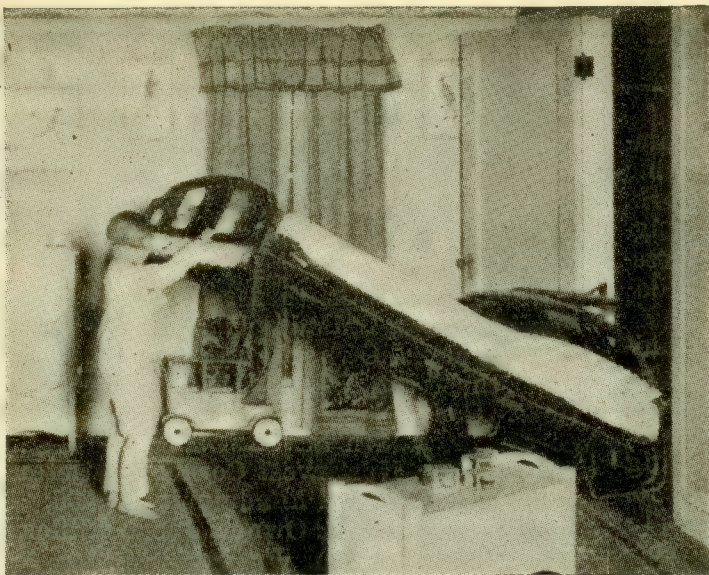
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sheet piling. Contract awarded Turner Const. Co., 1713 Sansom street, Philadelphia.

Theatre, Ogontz avenue, Church Lane and Limekiln Pike, Philadelphia. Associate architects, Hoffman-Henon, Inc., Finance Building, and Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owners, Ogontz & Church Lane Realty Co., care of architects. Brick, steel, cut stone, 2 stories and basement, 148x71 feet, wing 30x74 feet, gypsum and Barrett specification roof, cement, yellow pine and maple floors, hollow tile, dampproofing, architectural terra cotta, ornamental iron

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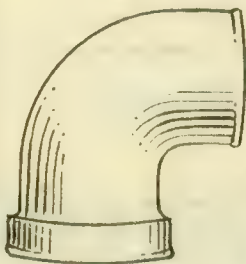
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main doors, hollow metal sash, tile, marble
and terrazzo work, metal lath, bronze work,
integral waterproofing, Mt. Airy granite, Scag-
iola art glass. Contract awarded George Kess-
ler Co., 1733 North Marvine street, Phila-
delphia.

Miscellaneous Work, Philadelphia. Low bid-
ders. Owners, Department of Public Works,
Bureau of Highways, 216 City Hall. Contract
No. 783, furnish and lay small pipe lines,
Peter & A. J. Ellis, Fourth below Wyoming
avenue, Philadelphia, \$73,730. Contract No.
785, William G. States, care of owners, \$1-
368.75. Contract No. 787, wash troughs, Tor-
resdale-Filter Plant, Quaker City Iron Works,
Tioga and Richmond streets, \$11,799. Con-
tract No. 788, sand cleaning machine, Bel-
mont Filter, Blaisdell Filtration Co., care of
owners, \$25,000. Contract No. 789, intake
screens, Queen Lane, Acme Machine Co., 316
North Seventeenth street, Philadelphia,
\$22,500.

Garage, Fifty-eighth and Thomas streets,
Philadelphia. Architect, George S. Idell, 1510
Chestnut street, Philadelphia. Owner, Dr. Cy-
rus Friday, on premises. Contract awarded
Andrew J. Logan, 5437 Wyalusing avenue,
Philadelphia.

Stores and Apartments, Ogontz avenue,
Church Lane and Limekiln Pike, Philadelphia.
Architects, Magaziner, Eberhard & Harris,
603 Chestnut street, Philadelphia. Owners,
Ogontz & Church Lane Realty Co., care of ar-
chitect. Brick, cut stone, steel, 2 stories and
basement, irregular in size, slag roof, cement
floors, plumbing, hardware, painting, glazing,
electric work, metal lath, tile, marble and
hollow metal sash, ornamental iron work
(metal bulks separate). Contract awarded
George Kessler Cont. Co., 1733 North Mar-
vine street, Philadelphia.

Residence, East side Academy Road, South
of Red Lion Road, Philadelphia, \$5,000. Ar-
chitect, private plans. Owner, Miss Frances
Richardson, Academy Road below Comly
street. Frame, 2 stories, 30x16 feet, shingle
roof, hardwood and pine floors. Contract
awarded to A. W. J. Williams, 3011 Linden
avenue, Philadelphia.

Residence, Southeast Corner Chandler and
Ferndale streets, Philadelphia, \$5,000. Archi-
tect, private plans. Owner, Fred Bimbridge,
Montour street, Fox Chase, Philadelphia.
Frame, 2 stories, 26x41 feet, shingle roof,
hardwood and pine floors, hot water heat,
electric light. Contract awarded to Dean
Thatcher, 701 Benson avenue, Philadelphia.

Store and Residence (alts.), 6035 York
Road, Philadelphia, \$4,000. Architect, pri-
vate plans. Owner, Charles Huff, on prem-
ises. General alterations. Contract awarded
to William H. Pierce, 1529 Champlost avenue,
Philadelphia.

Store and Residence (alts.), 560 North Six-
teenth street, Philadelphia, \$2,000. Architect,
private plans. Owner, Edwin Elliot, on prem-
ises. General alterations. Contract awarded
to Henry C. Dahl, 231 South Eighth street,
Philadelphia.

Store (alts.), Southeast Corner Seventh and
South streets, Philadelphia, \$2,000. Architect,
private plans. Owner, Maurice Viti, 133 South
Twelfth street, Philadelphia. General altera-
tions. Contract awarded to Joseph De Cristo-
poro, 1140 South Seventh street.

Residence, Northwest Corner Bustleton Pike
and County Line, Philadelphia, \$9,500. Archi-
tect, private plans. Owner, Jacob Miller, Som-
erton, Philadelphia. Frame, 2 stories, 27 feet
6 inches x 45 feet 6 inches, shingle roof, hard-
wood and pine floors, electric lighting. Con-
tract awarded to Charles T. Ely, Somerton,
Philadelphia.

Manufacturing Building, 13-15 Callowhill
street, Philadelphia, \$9,000. Architect, pri-
vate plans. Owner, Joseph Feldman, Frank-
lin Trust Building, Philadelphia. Brick, 2 sto-
ries, 29-10 $\frac{3}{4}$ feet x 38-8 $\frac{4}{5}$ feet, slag roof,
electric work. Contract awarded to D. War-
sharsky, 812 North Marshall street, Philadel-
phia.

Garage, West side Scotford Road, North of
Kitchen Lane, \$5,000. Architects, Mellor,
Meigs & Howe, 205 South Juniper street, Phila-
delphia. Owner, Charles J. McManus, Scot-
ford Road, Philadelphia. Stone, 1 story,
22x26 feet, shingle roof, cement floors, electric
work. Contract awarded to W. H. Eddleman
& Son, Green Lane, Roxborough.

Garage, 1242-44 East Susquehanna avenue,
Philadelphia, \$4,500. Architect, private plans.
Owner, George Potts, 1242 Susquehanna ave-
nue, Philadelphia. Brick, 1 story, 75x42 feet,
slag roof, cement floors, electric work. Con-
tract awarded to Edwin Engle, 1230 East Co-
lona street, Philadelphia.

Store and Residence (add. and alts.), 1712
Dickinson street, \$2,600. Architect, private
plans. Owner, Brogia Pimpinelli, 1712 Dick-
inson street, Philadelphia. Brick, 1 story add.,
16x8 feet, general alterations. Contract
awarded to Dominic Vattina & Co., 1643 South
Bancroft street.

Store and Residence (add.), 901 West But-
ler street, Philadelphia, \$2,400. Architect, pri-
vate plans. Owner, I. Goldstein, 901 Butler
street, Philadelphia. Brick, 2 stories, 18x8
feet. Contract awarded to G. M. Formosa,
5608 North Fifth street, Philadelphia.

Garage, rear of 5915 Greene street, Phila-
delphia, \$2,000. Architect, private plans.
Owner, Dr. Hustin, on premises. Brick, 1 story,
25x32 feet, slag roof, cement floors, electric
work. Contract awarded to W. O. Springer,
2004 Naudain street, Philadelphia.

Garage, North side Lehigh avenue, East of
Kensington avenue, \$3,000. Architect, private
plans. Owners, Philadelphia & Reading Rail-
road, Twelfth and Market streets, Philadel-
phia. Brick, 1 story, 43x42 feet, slag roof,
cement floors, electric work. Contract award-
ed to Schaefer Co., Otis Building, Philadel-
phia.

Shop, 7222 Milnor street, Philadelphia,
\$2,400. Architect, private plans. Owner, Jo-
seph R. Wetzel, 7228 Milnor street, Phila-
delphia. Concrete block, 2 stories, 28x30 feet.
Contract awarded to Ralph Childs, 7022 Cot-
tage street, Philadelphia.

Store (alts.), 1001 West Columbia avenue,
Philadelphia, \$2,000. Architect, private plans.

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Owner, Timothy Mahoney, on premises. General alterations. Contract awarded to George Kessler Cont. Co., 1733 North Marvine street.

Club and Residence (add.), 247-49 South Quince street, Philadelphia, \$2,000. Architect, private plans. Owner, W. H. Yerkes, care of builders. Brick, 1 story add., 8x12 feet. Contract awarded to Acme Const. Co., 2025 North Sixty-second street, Philadelphia.

Pennsylvania Construction News

Church, Catasauqua, Pa. Architect, Peter F. Getz, Victory Building, Philadelphia. Owners, St. Mary's Roman Catholic Church, Catasauqua, Pa. Architect taking bids due December 17th at noon.

Residences (400), South Chester, Pa. Architect, private plans. Owner, Alex. Lieberman, 211 South Fifteenth street, Philadelphia. Brick, hollow tile and stucco, 2 stories. Work contemplated in spring, 1926.

Publishing House and Apartment, Jersey Shore, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Jersey Shore Herald Co., Dr. L. Goodman, Jersey Shore, Pa. Brick 2 stories. Preliminary plans in progress.

Residence, Riverside, Harrisburg, Pa., \$60,000. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owners, Redsecker Brinser, 2138 North Second street, Harrisburg, Pa. Stone, stucco, 2½ stories, 60x30 feet, wood shingle roof, hardwood floors, vapor heat, electric light, tile and marble, ornamental iron work. Plans in progress.

Mill (alts.) to Residence, Glen Gery, Pa. Architects, Scholl & Robinson, Fifth and Walnut streets, Reading, Pa. Owner, A. H. Gery, Glen Gery, Pa. General alterations to 3-story building, steam heat, electric light, hardwood floors, tile work. Plans in progress.

Residence and Garage, Ridley Park, Pa. Architect, A. C. Borzner, 717 Walnut street, Philadelphia. Owner, Raymond Moore, Chester, Pa. Frame and stucco, 2½ stories. Plans in progress.

Residence, Haverford, Pa. Architect, J. L. Conaroe, 225 South Sydenham street, Philadelphia. Owner, name withheld. Brick, 2½ stories, 30x72 feet, slate, wood, shingle roof, hardwood floors, hot water heat, electric light, tile and marble work, 6 baths. Plans in progress. Will take bids early in 1926.

Store and Residences (5), Port Reading Road, between Belmont and Morris street, South Ardmore, Pa. Architect, I. W. Levin, Elrae Building, Philadelphia. Owner, L. Fein, 4220 Girard avenue, Philadelphia. Brick, 2 stories, 18x40 feet, slag roof, hardwood floors, hot water heat, electric light, metal lath, metal bars, plate glass, metal ceilings. Plans about completed. Owner will be ready for bids in ten days.

Residences (twin) (20 pair), Drexel Hill Park, Upper Darby. Owners, Fulton & Benham, 5129 Chestnut street, Philadelphia. Mineral stucco, 2 stories, 16x37 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Owners taking sub-bids.

Store and Apartments (3), Coopertown Road and Campbell avenue, Llanerch, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Goldstein Brothers, 1951 North Fifty-second street, Philadelphia. Brick, 2 stories, 18x55 feet each, slag and tile

roof, hardwood floors, hot water heat, electric light, tile and marble work, hollow metal skylights, metal bulks, plate glass, cast stone. Owners taking sub-bids.

Y. M. C. A. Building, Bradford, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, care of Ralph George, Bradford, Pa. Brick, steel, 3 stories, 63x90 feet, built-up roof, linoleum floors, hollow tile, cut stone, iron stairs, bronze work, rolled steel skylights, metal partitions, tile work, metal lath, electric light, steam heat, dumb waiters. Architects will be ready for revised bids in ten days.

Factory, Shillington, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owners, Fedden Brothers Co., 4283 Park avenue, New York City. Fireproof, saw-tooth construction, 1 story and basement, 95x160 feet, slag roof, hollow tile, electric light, metal lath, rolled steel sash, fire doors. Architect will take bids in about ten days.

Residences (6), Fleetwood, Pa. Architects, High & Huber, 230 North Sixth street, Reading, Pa. Owners, Fleetwood Realty Co., G. Schlegel, Fleetwood, Pa. Brick, 2½ stories, 22x28 feet, asbestos shingle or slate roof, pine floors, hot air heat, electric light. Owners will take sub-bids.

Plant, Oaks, Pa. Architects, Osborne Engineering Co., Cleveland, Ohio. Owners, Philadelphia Rubber Works Co., Akron, Ohio. Reinforced concrete brick, steel, built-up composition roof, cement and tile roof, concrete floors, metal lath, rolled steel sash, safety treads, ornamental iron work, iron stairs, concrete tank 34 feet wide, 32 inches high, concrete trestle 400 feet long, septic tank 20 feet diameter, concrete. Railroad tracks, roadways, steel buildings (2), painting, wrought iron pipe, plate glass, sheet piling, gratings over water intake, crane runways, Ironite waterproofing, R. I. W. waterproofing, metal corner beads, steel toilet partitions. Debeading and chopping buildings, 1 story, 70x100 feet. Washer and grinder, 1 story, 80x80 feet. Washer and devulcanizing building, 1 story, 160x90 feet. Tank house, 1 story, 60x60 feet. Dry stock storage, 1 story, 80x100 feet. Drier building, 1 story, 80x50 feet. Mill building,

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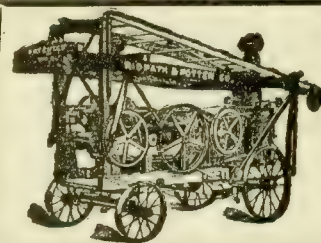
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1 story, 220x50 feet. Caustic house, 1 story, 48x22 feet. Boiler house, 2 stories, 50x90 feet. Mechanical building, 1 story, 60x200 feet. Gate house, 1 story, 36x28 feet. Pigment storage, 65x35 feet. Pump house, 28x28 feet. Owners taking bids due December 19th. Plans may be obtained from Mr. Day, Philadelphia Rubber Works, 1306 Land Title Building, Philadelphia.

Storage Warehouse, Narberth, Pa. Architects, Wallace & Warner, Franklin Trust Building, Philadelphia. Owners, Borough of Narberth, G. B. Supplee, Narberth, Pa. Brick, steel, 1 story, 72x26 feet, slag roof, cement floors, electric light, painting and glazing, metal ceilings, rolled steel sash, ornamental iron work. Owners taking bids due December 14th, 8 P. M.

Superintendent's Cottage, Laurelton, Pa. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owners, Laurelton State Village for Feeble Minded, Laurelton, Pa. Local stone, 2½ stories, 38x60 feet, slate roof, hardwood floors, steam heat, electric light, tile work (heating, plumbing and electric reserved). Owner taking bids due January 2nd at 10 A. M.

City Hall and American Legion Building, Steelton, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owners, care of J. C. Craig, Steelton, Pa. Fireproof, architectural terra cotta, 3 stories, 40x80 feet, slag roof, composition and tile floors, vapor heat, electric light, tile and marble, metal sash, bronze doors, ornamental iron work. Architect taking revised bids due December 18th.

Church and Sunday School, Easton, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owners, Evangelical Church, Rev. E. E. Smith, Easton, Pa. Stone, brick, steel, 1 and 3 stories, 40x120 feet, slate and composition roof, yellow pine floors, cinder block, vapor heat, electric work. Architect taking bids due December 21st.

Church (alts.), Penbrook, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owners, Church of God, Rev. Deider, Penbrook, Pa. Brick, general interior alterations. Architect taking bids due December 14th.

Residence, Noble Vista, Pa. Architect, Paul W. Hesser, 225 South Sixth street, Philadelphia. Owner, William A. Ickler, care of architect. Stone, 2½ stories, 45x27 feet, hot water heat, electric light, tile and marble work, metal lath, slate roof, oak and pine floors, flagstone. Architect taking bids due December 15th.

Administration Building (alts. and add.), Glen Mills, Pa. Architects, Stewardson & Page, 315 South Fifteenth street, Philadelphia. Owners, Glen Mills School, Glen Mills, Pa. Black slate roof, stone work, brick work, cut stone, carpentry, iron work, painting. Architects taking bids due December 18th.

Buildings (alts.), New Roads, etc., New Golf Course, Bryn Mawr, Pa. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Philadelphia Country Club, Bala, Pa. Plans completed. Architect will be ready for bids in a few days.

High School (add.), Ardmore, Pa., \$200,000. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Lower Merion Township School Board, Ardmore, Pa. Stone, 3 stories and basement. Plans about completed. Owners will be ready for bids

about January 1st.

Minor Seminary Group, Overbrook, Pa. Architect, Paul A. Monaghan, 1713 Sansom street, Philadelphia. Owners, Seminary of St. Charles of Borromeo, Overbrook, Pa. Brick, steel, cut stone, reinforced concrete, 3 stories, 2 stories and basement and sub-basement, 597x47 feet, 106x40 feet, 117x130 feet, 3 wings 194x44 feet, promenade tile, green slate and composition roof, cement, oak and pine floors, safety treads, waterproofing, architectural terra cotta, ornamental iron work, iron stairs, copper skylights, rolled steel and hollow metal sash, tile, marble and terrazzo work, metal lath, travertine, oak, linoleum floors, dumb waiters, painting and glazing, Holmesburg granite, Green River limestone, Yellow Castor stone, tavernelle marble, Albarne stone, Lehigh black slate, integral waterproofing, alt. Mt. Airy granite, bronze work, metallic doors, tin-clad doors, area gratings, bronze doors, ornamental plaster (plumbing, heating, electric and ventilation reserved). Bids addressed D. Cardinal Dougherty, at Cathedral Rectory, Eighteenth and Summer streets, Philadelphia, due December 17th.

Pennsylvania Contracts Awarded

Residence and Garage, Noble Vista, Pa. Architect, A. C. Borzner, 721 Walnut street, Philadelphia. Owner, Hugh Eby, 4710 Stenton avenue, Philadelphia. Stone, 2½ stories and basement, 22x45 feet, wing 15x20 feet, slate roof, oak and pine floors, tile work, ornamental iron work. Contract awarded Stewart Brothers, 2526 North Orkney street, Philadelphia.

Residences (3), Type F, Duell Tract, Meadowbrook, Pa. Architect, Carl A. Ziegler, 1012 Walnut street, Philadelphia. Owner, Wayne Herkness, Land Title Building, Philadelphia. Stone, 2½ stories. Contract awarded E. Allen Reeves, Abington, Pa.

Residences, Types F, G, H, J, Stoddart Tract, Meadowbrook, Pa. Architect, Carl A. Ziegler, 1012 Walnut street, Philadelphia. Owner, Wayne Herkness, Land Title Building, Philadelphia. Stone, 2½ stories. Contract awarded Stahl & Walton, Willow Grove, Pa.

School, Huntingdon Valley, Pa. Architects, Druckenmiller & Williams, 801 Otis Building, Philadelphia. Owners, Lower Moreland Township, W. Ridgeway, Huntingdon Valley, Pa. Contracts awarded: Electric, Jenkintown Elec. Const. Co., Jenkintown, Pa. Heating, American Heating & Ventilating Co., 1505 Race street, Philadelphia. Plumbing, W. J. Magee, 2040½ Cheltenham avenue, Philadelphia.

Mill Building, Columbia, Pa. Architects, Clark, MacMullen & Riley, 101 Park avenue, New York. Owners, Schwarzenback Huber Co., Columbia, Pa. Brick, reinforced concrete, 3 stories and basement, 208x58 feet (plumbing, heating, electric work, ventilating, sprinklers reserved), asbestos built-up roof, cement and maple floors, roof ventilators. Contract awarded to D. S. Warfel, 452 North Prince street, Lancaster, Pa.

Residence, State Road, Gladwyne, Pa. Architect, private plans. Owner, J. R. Halbersadt, Gladwyne, Pa. Brick, cinder block, 2½

stories, 24x38 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work, plumbing. Contract awarded W. B. Lownes & Sons, State Road, Gladwyne, Pa.

Cottages, Nos. 4 to 7, Laurelton, Pa. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owners, Laurelton State Village for Feeble Minded, Laurelton. Contracts awarded: Heating, E. Keeler, Williamsport, Pa. Plumbing, B. C. Daubert, Lewisburg, Pa. Electric, E. Nusbaum & Bro., 2023 Sansom street, Philadelphia.

Bridge, Mt. Alvern, Pa. Engineer, S. C. Hollister, Media, Pa. Owners, Delaware County Commissioners, Media, Pa. Contract awarded Dunleavy Brothers, Coatesville, Pa., \$3,290.

Store Building, Allentown, Pa. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owner, James K. Bowen, Allentown, Pa. Brick, cut stone, concrete, steel, 2 stories, mezzanine and basement, 90x46 feet, Barrett specification roof, cement and composition floors, hollow tile, elevators, plumbing, shoring, integral waterproofing, steam heat, electric light, metal lath, terrazzo work, rolled steel sash, hollow metal skylights, hollow metal doors, bond, floor hardener, iron stairs, ornamental iron work. Contract awarded W. H. Gangwere, Allentown, Pa.

Club House, Marple, Springfield Township, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Rolling Green Golf Course, Chester, Pa. Brick, hollow tile, stone, stucco, 2 stories, 1 story and basement, 168x40 feet, 2 buildings, 23x40 feet, 1 story, variegated slate and shingle roof, pine and cement floors, plumbing, electric light, metal lath, tile work, ornamental iron work, caulking, everlasting floors, cut stone, flagstone, wrought iron pipe. Contract awarded William Provost, Jr., Chester, Pa.

Milk Distributing Station, Stable and Garage, Twelfth and Welsh streets, Chester, Pa. Architect and engineer, Charles Wistler, care of owner. Owners, Supplee-Wills-Jones Co., 1523 North Twenty-sixth street, Philadelphia. Brick, steel, concrete, 1 story, lot 152x154 feet, slag roof, cement. Contract awarded George Kessler Co., 1733 North Marvine street, Philadelphia.

High School, York, Pa. Architect, John B. Hamme, City Bank Building, York, Pa. Owners, Board of School Directors, School District of City of York, Central School Building, York, Pa. Contracts awarded: Heating to American Heating & Ventilating Co., 1505 Race street, Philadelphia. Plumbing to C. B. Cutcamp & Son, York, Pa. Electric to G. B. Cooper, Inc., Grand Central Terminal Building, New York.

New Jersey Construction News

School (add.), Brooklawn, Camden County, N. J. Architects, Herbert O. and C. A. Ziegler, 1012 Walnut street, Philadelphia. Owners, School Board of Brooklawn, R. K. George, president, Brooklawn, N. J. Brick, stone, 2 stories, 8 rooms. Plans completed. Owners will take bids due January 4th.

Fire House, Rhode Island and Melrose avenues, Atlantic City, N. J. Architect, J. V. Mathis, Guarantee Trust Building, Atlantic

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City. Owners, City of Atlantic City, Atlantic City, N. J. Low bidders: Samuel Headley, Guarantee Trust Building, Atlantic City, \$92,500; M. B. Markland, 3540 Atlantic avenue, Atlantic City, \$104,800; Lam Building Co., Humphry Building, Atlantic City, \$108,371.

Hotel, Apartment House, Theatre and Garage, Boardwalk, Pacific, Providence and Boston avenues, Atlantic City, N. J. Architects, Starrett & Van Vleck, 8 West Fortieth street, New York. Owners, Admiral Realty Co., care of Ogden & Clarkson Corp., 21 East Forty-seventh street, New York. Steel, brick, concrete, 17 stories, 327x300x2000 feet (size of lot), 1200 rooms, stores, offices, etc., garage, 4 stories, 500 cars and 150 rooms (chauffeurs' quarters), theatre, 5,000 capacity, metal lath, tile, marble and terrazzo, fire doors, hollow tile, elevators, waterproofing and dampproofing. Plans in progress. \$20,000,000.

Convalescent Building, Psychopathic Building, Doctors' Residence, Nurses' Residence, Trenton, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, New Jersey State Hospital for Insane, Trenton, N. J. All bids rejected. Revised plans in progress.

Building, Strand, North Carolina, Absecon and Caspian avenues, Atlantic City, N. J. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owners, News Publishing Co., Atlantic City, N. J. Brick, steel, 1 story and basement, 155x100 feet (electric work reserved, steam heat, slag roof, maple and cement floors, plumbing, rolled steel sash, hollow metal doors, bond, ornamental iron work, integral waterproofing. Architect taking bids due December 10th.

Bridge, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Single leaf, trunnion bascule bridge, 30 feet clear opening between fenders, 2 steel encased concrete approach spans, 51 feet 6 inches and 56 feet 6 inches, concrete piers and abutments, timber piling, over Tuckahoe River, Route 14, Atlantic and Cape May Counties. Lowest bidders: S. S. Thompson & Co., Red Bank, N. J., \$109,000.

New Jersey Contracts Awarded

Bank, Burlington, N. J. Architect, Henry A. Brown, Burlington, N. J. Owners, Mechanics' National Bank, Burlington, N. J. Brick, cut stone, granite, steel, 2 stories and basement and mezzanine, 102x44 feet (plumbing, heating, electric separate bids), slag roof, cement, composition and maple floors, hollow tile, Truseon waterproofing, ornamental terra cotta, metal lath, marble and terrazzo work, floor hardener, iron stairs, ornamental iron work, armored vaults, steel concrete, bluestone, cork tile, rubber tile floors, ornamental plastering, imitation travertine, area gratings. Contract awarded H. B. Miller, Edgewater Park, N. J.

Warehouse, Elizabeth, N. J. Architects, Day & Zimmerman, 1600 Walnut street, Philadelphia. Owners, American Type Foundry, Kelly Press Division, Elizabeth, N. J. Brick, concrete, steel, 1 story, 160x160 feet, slag roof, concrete floors, steam heat, electric light, rolled steel sash, hollow metal skylights. Contract awarded Wigton-Abbott Co., 552 West Twenty-third street, New York.

Infirmary Building, Children's Quarters and Employees' Building, Glen Gardner, N. J. Architects, Department of Institutions and Agencies, Trenton, N. J. Owners, Tuberculosis Hospital, Dr. Engles, Glen Gardner, N. J. Brick, reinforced concrete, stucco and steel,

1 and 2 stories, 290x40 feet, 70x40 feet, 31x90 feet, 74x34 feet, tin, slag and tile roof, rubber tile, cement and linoleum floors, safety treads, metal lath, tile and marble, copper skylights, hollow tile, bluestone, dampproofing, waterproofing, architectural terra cotta, floor hardener, iron stairs, ornamental iron work. Contract awarded to Butler-Reisdorff Co., 120 East Forty-first street, New York.

Philip Baker Hotel, Wildwood avenue and Boardwalk, Wildwood, N. J. Architects, Edwards & Green, Camden, N. J. Owners, Wildwood Hotel Co., H. Foster Goslin, president, Wildwood. Brick, steel, concrete, hollow tile, terra cotta, 9 stories and basement, 200x230 feet, promenade tile, asphalt built-up roof, vapor vacuum heat, electric light, tile, marble and terrazzo, hollow metal skylight. Contract awarded to Dwight P. Robinson, 125 East Forty-sixth street, New York.

Residence and Garage, Derby avenue, Ventnor, N. J. Owners, Mrs. M. Matthews, Ventnor, N. J. Brick, 3 stories, 24x56 feet, garage, 22½x29½ feet, tile roof, hardwood and cement floors, vapor heat, electric light, tile. Contract awarded W. Beaumont, Atlantic City, N. J.

Club House, Pine Valley, N. J. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owners, Pine Valley Golf Club, Pine Valley, N. J. Contract awarded Gaunt & Co., Berlin, N. J.

Residences (2), 216-18 South Twenty-seventh street, Camden, N. J., \$12,000. Architect, Herbert Moffett, 104 Markee street, Camden, N. J. Owner, Morris Gelfand, Camden, N. J. Brick, 2 stories, 16x55 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Wesley H. Bauck, 2700 Cramer street, Camden.

Store and Residence, 468 North Thirty-second street, Camden, N. J., \$7,800. Architect, private plans. Owner, Harry C. Crooks, Twenty-eighth and Federal streets, Camden, N. J. Block and stucco, 2 stories, 27x44 feet, slate surface roof, pine and hardwood floors, hot water heat, electric light. Contract awarded to Homer B. Simpkins, 449 North Thirty-second street, Camden, N. J.

Miscellaneous Construction News

Church (alts.) to Building, Wilmington, Del. Architect, J. A. McKibbin, Industrial Trust Building, Wilmington. Owners, Hurley-Powell Co., 716 Market street, Wilmington, Del. Lowest bidder: J. A. Bader & Co., Lackey Building, Wilmington, Del., \$26,689.

Dining Hall, Newark, Del. Architects, Day & Klauder, Franklin Bank Building, Philadelphia. Owners, Women's College, Newark, Del. Brick, fireproof, 1 story and basement, 100x135 feet, slate roof, cement and linoleum floors, central heat, electric light, metal lath, wood sash, copper skylights. A. J. Taylor, Delaware School Auxiliary Association, DuPont Building, Wilmington, Del., taking sub-bids.

Court House (alts. and add.), Tappahannock, Virginia. Architect, E. C. May, DuPont Building, Wilmington, Del. Owners, care of architect. Brick, 1 story, 30x45 feet, slate roof, composition floors, vapor heat, electric light. Architect ready for bids.

Residences (4), 1608-10-12-14 Woodland avenue, Wilmington, Del. Architect, John A. McKibbin, Industrial Trust Building, Wilmington. Owners, Joyce & Kerrigan, Wilmington, Del. Brick, 2 stories, 18x32 feet, slag roof, steam heat, electric light. Owners will build.

Store Room and Shop, Wilmington, Del. Architect, private plans. Owners, J. A. Bader & Co., 923 Market street, Wilmington,

Del. Concrete, 1 story, 53x80 feet, slag roof, electric light. Permit granted.

Residences (5), Thirtieth street, Wilmington, Del., \$4,000 each. Architect, private plans. Owner, Louis Feldman, 1011 Chestnut street, Philadelphia, Pa. Brick, 2 stories, 20x29 feet, slag roof, pine and hardwood floors, hot water heat, electric light. Permit granted.

New Plant, Johnson City, Tenn. Architects, Lockwood-Greene Co., 100 East Forty-second street, New York City. Owners, American Bemberg Corp., Johnson City, Tenn. Brick, reinforced concrete, steel, 1 story, 570x200 feet, asphalt roof, concrete and linoleum

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floors, hollow tile, roof ventilators, metal lath, tile and terrazzo work, rolled steel and hollow metal sash, kalamein and hollow metal doors, iron stairs, ornamental iron work, mastic floors, cork insulation, rolled steel shutters, plumbing, roof ventilators, Ironite waterproofing. Architects taking bids due December 15th.

The man who doesn't advertise because he can't afford to "do it right" will never reach a position of affluence because everything worth while in the world had to have a beginning, and there can be no "get there" for the fellow who fails to make a start.

The man who doesn't advertise, these days, is forgotten. The world is too busy to look up dead ones.

(Continued from page 772)

whole country looks to it to save the building industry, one of the biggest industries we have, from being shot to pieces by these jurisdictional disputes. Why shouldn't we have peace in this industry, when it isn't a question of whether union labor shall have the job, but which union shall have the job?

Enthusiastic Approval

Reading the reports of my predecessor in office, I learn that in forming this Board, Commissioner Lennon got the enthusiastic approval of architects, builders, and men of the building trades in the American Federation of Labor. The thing was a success from the start. Conferences were held in New York, Chicago, St. Louis and other large cities of this country. The idea was to get some standardization of craft work, and progress was immediate. This Board took formal shape in 1919. As I say, in 6 years it has saved the country untold millions in the disputes it has settled. That is progress. But these disputes go right on. This Board has plenty of work yet to do. Plenty of progress remains to be made.

Some building trades have accepted the awards of this Board. Others would not come along. That means that every encouragement must be given to extending the activities of this Board of Awards. All parties should abide by its decisions. This is no "star chamber" outfit. All parties are represented here. And parties have a chance here to get up and say their say. And when an award has been handed down here, all parties should accept that award and carry it out.

I don't know of anything more disheartening to a workman than to set out in the morning not knowing whether or not he is going to get a day's pay, because one of these jurisdictional disputes may be on. I don't know of anything so disheartening to the owner of a building, the man who is paying for it, or to the contractor who employs the men to build it.

All parties connected with the enterprise of raising a new building can sidestep the responsibility for these disputes, but it is usually the workman who in the end gets the blame for stoppage of work, and organized labor suffers from it.

The contractor, the subcontractor, the architect, the owner, the financial organizations paying the bills, are all innocent losers in a situation not of their making. I know many men who are anxious to build, and afraid to build because of these jurisdictional disputes. They know full well they have only enough money to complete the building, and can't afford to pay interest charges caused by delay when two or more building trades are at loggerheads over which of them shall perform some item of work. It also affects the bond sales and maybe after a time we shall not be able to finance a building because of these disputes.

The fact is, these jurisdictional disputes have become a matter of grave concern to the whole public. The whole business and industrial machinery of the country is upset as one after the other important factors in the national building program are subjected to loss by these wrangles and stoppages of work. The loss begins with the wages of the trades in disputes. It spreads and spreads until large sections of the public are out of pocket. That sort of thing, if long continued, can slow up the building program of an entire section of the country. When loss comes in a package of that size, it has a bad effect on business generally. It is impossible to overemphasize the bad effects arising from one of these jurisdictional disputes. It is just as hard to emphasize the importance of getting them settled and stopped as promptly as possible. And the worker himself can't get out of his part in getting them settled.

I don't know of anything that has done more to destroy the chances of organized labor to deal with large organized industrial interests than these civil wars among the unions. Organized labor has withstood destructive assaults, within and without its own ranks. It should root out the jurisdictional dispute. Here and there people are seeking to break the trade union movement in America, but so long as the trade union movement stands true to its principles and deserves the support of its membership and the public, it will get that support. It cannot be destroyed. But like other movements in this or any other country, organized labor can commit suicide through internal dissension. And these jurisdictional disputes are just that form of suicide.

It can't be denied that these jurisdictional disputes supply those who are opposed to organized labor with just the propaganda they want for refusing to deal with the unions.

Settle these disputes among yourselves, and without stoppage of work.

That is profitable to all—to the workers, the builders, the owners.

Hurts Labor Generally

It is only the building trades that are directly affected by these so-called jurisdictional disputes. But I don't know of anything that has done more to hurt labor in general. In talking with the head of a great manufacturing enterprise as to why his labor wasn't organized, he said to me, "We have more classifications in our industry than there are in the building trades, and if we were dealing with the several unions, their jurisdictional disputes would ruin our business. In the building industry, losses of that kind can be taken care of by directly taxing the people, by increasing rents, and so on. But our competition is keen, and we have no way of making up losses that might result from jurisdictional disputes, and we can't take any such chances."

You see the bad effects of these disputes don't end with the building trades, but reach out into other industries. In the long run they come right back and injure unionism itself.

I realize that with new invention, improvements, changes in building materials and methods going on all the time, these craft disputes are bound to occur. Some of these are honest differences of opinion. But they have to be settled or we are in for wreckage all around. If the question in these disputes were only wages, working conditions, or other matters between workers and employers, there might be reason for stoppage of work until adjustment is reached. But in the case of which craft shall perform a given piece of work, the owner or employer is not at fault. He has no part in the dispute. He has entered into contract, and tradesmen have accepted certain terms and conditions of employment.

Entitled to Service

Therefore, in all fairness the owner-employer is entitled to labor's service even though the crafts have a difference among themselves. Our agreements call for unbroken work until the job is completed.

If the crafts can't agree, then the matter should go to this Board of Awards in which all are fairly represented. While the difference is being settled, work should go on. And when the Board has decided the question, the decision should be accepted. The resulting chaos if we don't set up and abide by this machinery is plain to all.

We cannot stop progress. Recently I visited several points in Europe and saw many buildings, but I was particularly impressed by one new form of steel construction.

Under this process a steel house is constructed in five weeks by common labor at a cost of about \$2500. I cite this simply to illustrate the changes in building

that are always going on, and to emphasize the need of this Board to settle these disputes. So long as the building industry continues to progress we need to rely on this Board of Jurisdictional Awards, or we all go to destruction.

There are angles to this hold-up habit in building that I can't go into here, but of all the human elements that enter into it, the workman always gets the blame. The jurisdictional dispute is a blot on the fair name of trade unionism. Organized capital doesn't fight itself. It fights its enemies. Trade unionism should stop fighting itself and fight for its best interests. These constant stoppages are costly. They cost the worker, not only in loss of wages, but in constant assessments that the fighting may go on. Every loss caused by these disputes comes home to the worker because every additional cost to a building is paid in higher rents and purchases. These fights are even cutting down work, in frightening people from building.

Here is the case in a nutshell. Invention and change in building methods are going to go on. So long as progress goes on, jurisdictional disputes are bound to occur. The thing is to get them settled. Here in this Board of Awards is the machinery to get them settled. We all have a part in that machinery, and if we don't run it we go to destruction.

After all, the American worker is a business man. We have got to rely on his business sense to refer to this Board all matters in dispute. We must appeal to his business sense, his sense of profit and loss, to stay on the job and finish the job until his difference is ended.—*The Constructor*.

THE IMPORTANCE OF COLOR IN THE HOME

Man has more in common with the chameleon than he suspects. True, he does not change color to match his surroundings, in exactly the same way, but a gray, murky day usually entails gloominess, likewise clear, sunny weather has an enervating effect. He reacts similarly to color. Red is irritating and blue has a trick of producing that state of mind which takes its name from it—the "blues."

How much depends upon our color happiness is not definitely known. Scientists who have experimented with the matter, however, have found that guinea pigs thrive better in cages painted in light colors than in those painted a darker hue. Plant life is known to react strongly to certain colors, to the extent of actual retardation or exhilaration of growth. At any rate, all of us know that certain colors appeal to us and that others do not. The effect upon the nervous system of living, day in and day

out, with discordant colors is far reaching, although the individual may not be conscious of the cause of his depression or irritability.

Interior decoration, therefore, is not totally a matter of aesthetics. Good color arrangements have their place in the health and happiness of the family, and when I say "color arrangements" I mean the proper color for the proper place. A misplaced color is as jarring to the nerves as a discordant color.

Color can determine the appearance of a room. It can also determine what we may call the spiritual quality which it possesses, that is, its atmosphere or personality. A large room with a northern exposure, decorated in blue or green, or certain formal shades of gray would be difficult to live in. The cool colors—green, blue, gray, and their shades and hues—are also receding. They give the effect of space. A large room already has space and a northern exposure is already cold, so that the combination of color and location results in an inappropriately decorated chamber that must be uncomfortable to the sensitive.

Warm colors, which have the effect of reducing the apparent size of a room, would neither emphasize the impression of space nor would they enhance the chilly atmosphere. Brown, yellow, orange, amber gray, certain shades of red-brown, are appropriate.

In painting walls, as so many people are doing nowadays, a flat finish is not the only type that can be used. Many rooms look best with such a finish, but others need variety and vivacity. A small room, cut up into various angles and planes, such as one often finds in old houses, has sufficient variety of arrangement actually to need a plain wall treatment, but the average room, with unbroken expanses of wall needs the relief of color variety.

Here two or three color effects may be used, or panelling, or any of the other devices for breaking upon a bleak expanse of plain color. Textured paints add much to certain rooms in the way of warmth and variety.

A small room can be made to look larger, the chill and formality of a large room may be reduced, a dark room can be made lighter and a too bright room may be toned down by the appropriate use of color. In nearly every house there is a small back room with one window, through which a small amount of light seeps in. Dark walls and furnishings simply emphasize the smallness and darkness of the place. Paint the walls a light cream or sunny yellow or delicate primrose, and the room will almost expand before your eyes. Light colors reflect light while dark colors absorb it. For that reason, light walls in a dark, poorly lighted room, make the most of

the little sunshine that comes in the window.

One of the problems in decorating a bedroom is to make it appear cool and restful in summer and warm and comfortable in winter. Where the sun shines brightly all day, cool colors automatically suggest themselves, and, indeed, they are totally satisfactory in warm climates or in the summertime. To make the decoration of such a room adjustable is not a matter of having two sets of hangings, rugs, and appointments, but of selecting a color combination that is comfortable all year around.

Decorators have a number of proverbs and one, I believe, may be safely adopted by all—"When in doubt use gray." This color is soothing and restful. It is appropriate in any room, harmonizes with almost any other shade or tone, and may be either warm or cool, according to the need of the room. For the bright room, then, walls of soft gray, slightly shaded with amber, are suitable. These walls may be panelled to break up the planes or misted over with a faint spray of yellow or orange. Blue and yellow curtains, in cretonne or other material are appropriate; in some cases a successful treatment is to use window curtains of sheer blue material and overdrapes of sunny yellow. In this way, a warm color is preserved for winter, when every bit of sunshine must be made the most of, and, in the summer, the cool blue and gray are there to diffuse the sense of warmth.

The dining room is another problem. Since it is not in constant use brighter colors can be used there than in any other room, yet, since meals involve a certain ritual, it must preserve an air of formality. The best solution that I have seen is in a small suburban home that was decorated by a clever young woman with a very accurate eye for color. The room was of medium size and on the west side of the house, so that it received sunlight part of the day. The walls were panelled very formally and the whole painted a rich buff. The woodwork was brown to harmonize with the furniture. The areas within the panel moldings were given what is known as a spatter treatment of cream and dark buff. The colors gave warmth to the room while the formal panel treatment preserved the essential stately atmosphere. Another attractive dining room had rough walls of cream texture painted, a floor of painted terra cotta laid out in squares bounded with stripes of black and black woodwork. This was a cottage dining room, however, and small, so that the very unusual treatment did not look bizarre or "tea-roomish."

Remembering the effect of color upon light and apparent space, the living room is the easiest room in the house to decorate. A solid color is not so successful

here as it is in a less used room. Break up the walls with a play of color. Gray buff or gray green may be used as a foundation color and harmonizing or contrasting colors played over it in one of the new techniques. For a large living room without continuous sunlight, warm gray or buff with a rhythmic arrangement of yellow, orange, cream or terra cotta red in one of the new techniques gives it vivacity without ostentatious brilliance, warmth, and a feeling of comfort. For the sunny living room there is no more charming color than gray green. This could be used on the woodwork as well but in a little darker shade. Cream, pale yellow, or faint lavender are good contrasts for it.

Bedrooms are adaptable to all over spatter, misted or mottled finishes, since these are restful and informal. Panelling, plain finishes, or two color finishes in a technique that gives a larger rhythmic pattern than misting, for instance, are suitable for the dining room, living room or hall.

Low ceilings are sometimes a problem, likewise those so high that they give the feeling of living in a railroad terminal. To make a low ceiling appear as high as possible, run the wall color directly up to the ceiling, omitting picture molding. A border of a darker or contrasting color may be put where the wall and ceiling meet, but not below it. The high ceiling can be tied in with the room by carrying the ceiling color down the wall some two feet and finishing it with a molding or stencilled border. Or if the walls and ceilings are the same color, a stencilled border or painted molding about two feet down from the ceiling will help break the thrust upward.

The trouble with many rooms is that the ceiling is white or cream without regard to the rest of the decoration. This naturally lends a discordant note, and, in the case of a high ceiling, makes it appear even higher while in a low ceiling it brings an unrelated tone too close to the rest of the decorations. Give the ceiling a pale shade of the dominant tone of the room. If you have a gray and henna living room, the ceiling should be pale gray. If the dining room is buff and blue, make the ceiling a warm, rich cream. If the bedroom is lavender or orchid, a pale shade of either color will look well on the ceiling. In other words, keep the ceiling light in tone, but tint it to match the rest of the room.

Much depends upon the woodwork also. White enamelled woodwork is charming, but not in every room. Where the room is large and the woodwork of handsome design, it may be made prominent by using a very light or very dark color upon it, but in the small room, such accentuated contrast is apt to make the woodwork stand out like an angular

spider web. Keep the woodwork either in harmonious contrast with the walls or in the same key. For a room painted green gray green woodwork is delightful. Cream woodwork is good in a room painted buff, likewise pale yellow in the blue room.

Another thing to remember in decoration is that rooms are not isolated compartments but part of the whole house. I once saw a beautifully decorated room in the loveliest shade of red brown. It fairly breathed comfort and hominess and I was delighted with the taste and discretion with which this difficult color was used, until someone opened the door into the dining room. What a shock. The whole charming atmosphere was ruined because there, through the door, was a light, airy and wholly discordant dining room done in gray and blue. The transition from the warm living room to the aloof dining room was too rapid. It was confusing and the result was that neither room appeared at its best.

The fundamentals of good taste do not change. These few rules for the use of color and the decoration of certain rooms are instinctively known by everybody because they are fundamental. Fads and fashions lead us into pitfalls and before we realize it, our homes are finished in a manner not in the least in harmony with our basic tastes, color is one of the true joys of life. Everybody responds to it and everyone has his preferences. It is fortunate that there is a place for all of them in the grand system known as color schemes.—*Keith's Magazine*.

At a conference of building interests, technical representatives and manufacturers of glass sidewalk and roof lights, held recently under the auspices of the Division of Simplified Practice, Department of Commerce, action was taken to have six sizes, two shapes and five styles replace 80 styles, 120 sizes and 10 shapes previously made in this commodity. The action will become effective March 1, 1926, but in the meantime various makers of these commodities will put the program into effect as rapidly as possible.

The meeting brought together representatives of the American Ceramics Society, National Association of Building Owners and Managers, American Railway Engineering Association, American Electric Railway Association, American Institute of Architects, and of building and safe walk code committees. E. W. Ely of the Division who presided, read a score or more of letters from other associations who were in accord with the proposed reductions, but who were unable to have representatives present.

Davis Carpenter, of Davis Carpenter & Co., New York City, chairman of the simplification committee of manufacturers, presented the program, which repre-

sents an average reduction of 90 per cent.

LeRoy Kern, technical secretary of the American Institute of Architects, New York City, raised several questions from the viewpoint of the architect, to clarify the matter of thickness of glass, and of the supporting edges, and as to surfaces. These were answered by Mr. Carpenter and C. H. Paschall of the American 3-Way Luxfer Prism Company, Cicero, Ill., who explained that the industry is seeking in its standardization program, to provide ease of replacement. It was explained further that the policy of manufacturers has changed in the last three or four years, from one of producing something 'different' to a policy of providing sizes and stocks which would permit interchangeability with a minimum of time and effort. There still exists a demand for some of the old sizes, which must be carried for maintenance until the old equipment has worn out.

The three sizes adopted, it was stated, will meet 90 per cent. of today's demand; and the spacing of glass has been developed in a manner which will give the greatest strength without breaking.

L. Willard Mulford, of the American Bar Lock Co., Inc., New York City, stated that the glass light industry has also developed a relatively new method of setting sidewalk glass in place, using a metal rim, instead of placing it directly in a concrete setting. This, he said, makes for greater safety, and long service, virtually permitting all companies installing such glass to guarantee their work, and make free replacement of broken glass for five years. His company, he reported, had had to replace but 24 pieces of glass in installations amounting to more than 1,000,000 pieces during three years.

It was declared both by Messrs. Mulford and Paschall that the simplification program combined with the standard method of placing such glass in position is aimed at restoring the industry to its former position; the manufacturers admitting that they had been in error in their installations before the adoption of the cup system of mounting or setting such glass in place.

Dr. R. B. Hunter of the Bureau of Standards, P. P. Cartwright of the Building Code Committee, Department of Commerce, and Alfred N. Finn, of the American Ceramics Society, discussed the program as relating to safety in walking, the building code needs and problems as to the technical qualities of the glass used. It was decided by the manufacturers to have a committee represent the glass sidewalk industry in the Safe Walk-way Surfaces Code Committee, which is sponsored by the American Institute of Architects, the Society of Safety Engineers and the American Engineering Standards Committee.

Reference Directory for Architects, Builders and Owners

ACCOUNTANT.

R. Landergin.....5523 Hadfield St., Phila.
ARCHITECTURAL IRON WORK
 Quaker City Art Metal Works,
 2445 N. Second St., Phila.

ARTESIAN WELLS.

Ridpath & Potter Co.,
 S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES.

Robbins, Chas. H., Co.1729 Sansom St., Phila.
 Weber, F., Co.125 S. 12th St., Phila.
 Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINTS.

Blue Print Shop.....1520 Sansom St., Phila.
 Robbins, Chas. H., Co.1729 Sansom St., Phila.
 Weber, F., Co.125 S. 12th St., Phila.
 Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINT PAPER.

Blue Print Shop.....1520 Sansom St., Phila.
 Robbins, Chas. H., Co.1729 Sansom St., Phila.
 Weber, F., Co.125 S. 12th St., Phila.
 Weil, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS.

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

BRICK.

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.
BRICK (Face, Common, Paving).
 Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS.

Mitchell Bros.2125 Race St., Phila.
 Joseph Rotornado.....4740 Milnor St., Phila.

BUILDING BLOCKS.

Schnitzler & Wilt.....Morton, Pa.

BUILDING NEWS.

Daily Building News.....1530 Chestnut St., Phila.

BUILDERS' SUPPLIES.

Camden Materials Co....1345 Pine St., Camden, N. J.
 The Van Sciver Corporation,
 The Parkway at 24th St., Phila.
 West Jersey Sand & Supply Co.,
 Delaware Ave. and Marlborough St., Phila.

CAST STONE

Vineland Architectural Cast Stone Works,
 Vineland, N. J.

CEMENT.

Camden Materials Co....1345 Pine St., Camden, N. J.
 The Van Sciver Corporation,
 The Parkway at 24th St., Phila.
 West Jersey Sand & Supply Co.,
 Delaware Ave. and Marlborough St., Phila.

CEMENT WORK.

D'Lauro, John55 E. Mermaid Lane, Phila.
 Harsch, Wm. F.Narberth, Pa.
 Massiah, Frederick. Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

COLUMNS (Metal).

Pearce Fireproof Co.1911 N. 2nd St., Phila.

CONCRETE SEWER PIPE.

Stroudsburg Septic Tank Co..328 Chestnut St., Phila.

CONCRETE WORK.

Harsch, Wm. F.Narberth, Pa.
 Massiah, Frederick. Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Lee T. Ward Co.617 Filbert St., Phila.

CORK FLOORING

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

CURTIS WOODWORK.

Gillingham Co. ...Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS.

Building News Pub. Co.1530 Chestnut St., Phila.

DAMP-PROOFING.

Anti-Hydro Waterproofing Co.,
 24th and Parkway, Phila.

Barnett Bingswanger.....829 N. 3rd St., Phila.
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December 16, 1925

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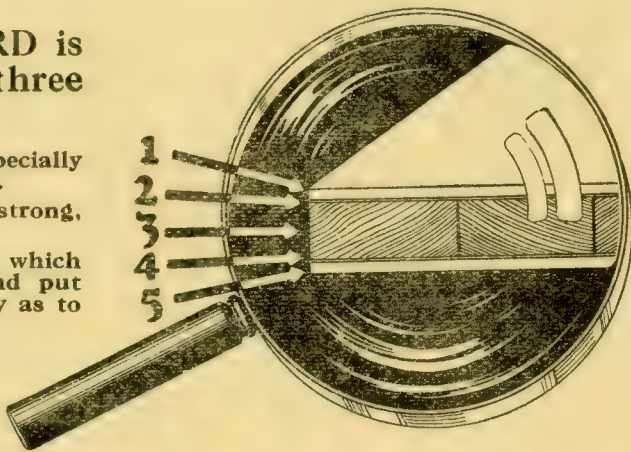
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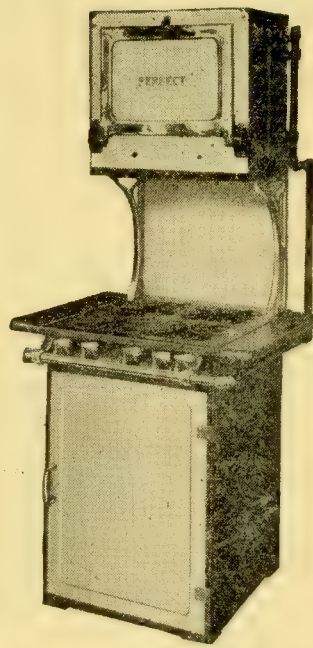
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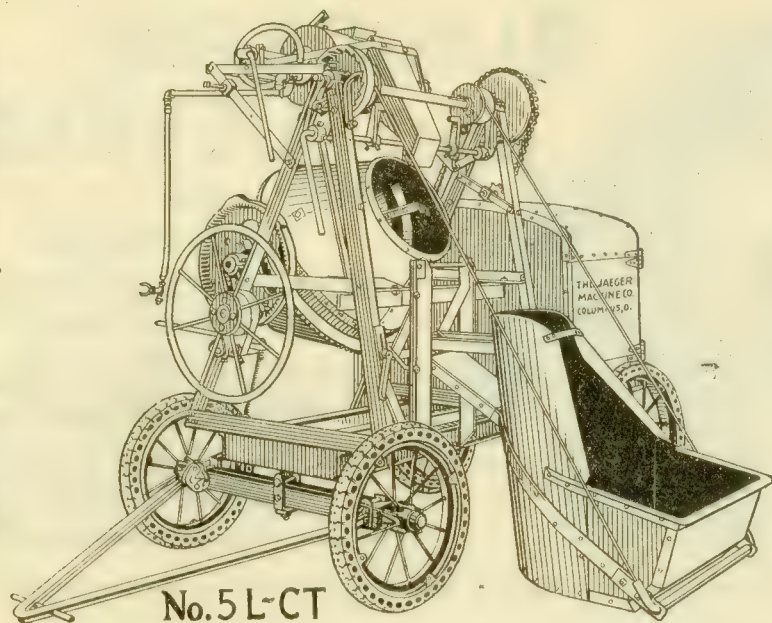
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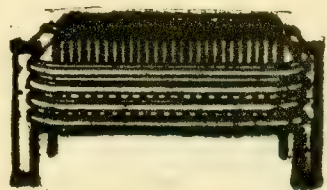
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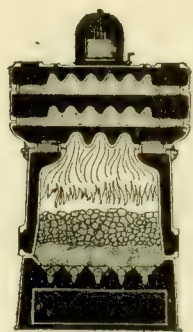
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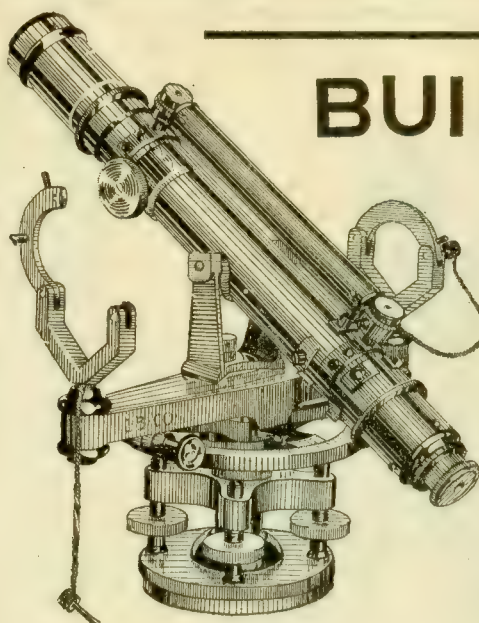
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural

VOLUME XL
Number 50

Engineering and the Building Trades

PHILADELPHIA
December 16, 1925

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As The Editor Sees It



PROGRESS IN ELIMINATING WASTE BRINGS ECONOMIC TRANSFORMATION

Progress the United States has made during the past five years in the elimination of industrial waste on a national scale has brought about "one of the most astonishing transformations in economic history," according to Secretary Hoover, whose annual report, made public today, surveys American industry in support of this contention.

"What the country as a whole has accomplished during the past five years in increased national efficiency in these directions is impossible of measurement," says Secretary Hoover. "Nor does the Department of Commerce lay claim to credit for the great progress that has been made save as we may have helped to organize a definite public movement. That movement is the result of a realization by every group—business men, industrial leaders, engineers, and workers—of the fundamental importance of this business of waste elimination.

"In addition to elimination of waste we have had the benefit of notable advances in science, improvement in methods of management, and prohibition. Thanks to elimination of waste and these

other contributing factors, we can as a nation show one of the most astonishing transformations in economic history."

The Secretary then calls attention to figures from the Department of Labor indicating that whereas in 1920 the wage rate was 99% above pre-war and the wholesale price level 126% above pre-war, in 1924 the wage rate had risen to 128% above pre-war, while the wholesale price level had dropped to 50% above pre-war.

"While wages are higher than in 1920, wholesale prices are lower," he explains. "We thus have the highest real wage in our history, and we have had three years of remarkable price stability."

Comparable British figures are quoted to prove that these results are peculiar to the United States. The British wage rate in 1920 was 130% above pre-war and the wholesale price level 183% above pre-war, while in 1924 wage rates and wholesale prices had dropped to 70 and 74%, respectively, above pre-war.

Discussing the fundamental purposes of this campaign for waste elimination, Secretary Hoover says:

"The philosophy that underlies it has but one purpose; that is, to maintain American standards of living for both

workers and farmers, and to place production on a more stable footing. The high standards of living enjoyed by the American people are the result of steadily mounting per capita productivity. There is only one way to further advance these standards, and that is by improved methods and processes, by the elimination of waste in materials and motion in our production and distribution system.

"Just as 20 years ago we undertook nation-wide conservation of our natural resources, so we must today even more vigorously sustain this campaign of better nation-wide utilization of our industrial resources and effort. More especially is this the case in view of the many complex forces which have arisen from the war, and particularly the difficulty of maintaining our situation as against the competition of a world of lower standards overseas."

The activity of the Department of Commerce in this field of waste elimination is indicated by the fact that since the work was launched on a large scale in 1921 some 900 group conferences have been held under the auspices of the Department, practically all at the request of the industries themselves, while upwards

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of 200 committees are now at work in cooperation with the Department on various phases of the program.

At this point in the report Secretary Hoover introduces, as it were, various officials of the Department in touch with the different industrial and commercial fields and lets them tell for themselves the progress that has been made in each during the past five years. Some of the accomplishments noted are: greater efficiency of the railroads, a sixty per cent increase in electric generating capacity, wider provision and use of business statistics as a stabilizing influence reducing speculation in commodities, the expansion of industrial research, the extension of the building season in the construction industries, and millions saved through "simplified practice."

IMPROVEMENT IN RAILWAY TRANSPORTATION

Eugene S. Gregg, Chief of the Department's Transportation Division, reports that one of the most important contributions to the elimination of waste has been the remarkable improvement in railway transportation.

"The first factor in that improvement was the provision of adequate transportation itself," says Mr. Gregg. "The periodic car shortages of many years past have practically disappeared, although the tonnage loaded has increased more than 25 per cent since 1921. The waste imposed on carriers and public in those periods of shortages in transportation amounted to hundreds of millions annually. A second improvement, aside from direct increase in facilities, has been the very great and fundamental increase in efficiency of operation. Since 1921 the average weekly car loadings have increased from 693,533 to 986,475, the number of miles per car per day from 22.4 to 26.9, the average trainload from 656 to 731 tons."

INLAND WATERWAYS

Improvement of our inland waterways

is discussed by Paul S. Clapp, special assistant to the Secretary, who calls special attention to the work of the St. Lawrence Commission, which is considering the project to open a route between the Great Lakes and the ocean. A joint engineering board is actively at work on the engineering aspects of this undertaking, and at the same time the Department of Commerce has in process a critical economic study of its possible effects and benefits. Turning to the Mississippi Valley Mr. Clapp declares that "it is of the utmost importance that we accomplish the earliest possible completion of the Mississippi system of waterways in order that cheaper waterborne traffic in primary and bulk goods within this great mid-west area and in its egress to the sea, may contribute to restore its economic relationships to the rest of the country."

GREATER ELECTRIFICATION

Mr. Clapp also describes the progress that has been made in the direction of "elimination of waste through enlarged electrification," of which he says:

"During the past five years there has been a notable advance in the electrification of the country and in the generation and distribution of power. This is being accomplished not only with an enormous saving in fuel, but with large increases in productivity, reduction of physical effort and labor, and added comfort in the home. Since 1920 long strides forward have been taken in the development of widespread electrical power systems, which are increasingly becoming the enormous reservoirs of mobile and reliable power for all purposes, upon which in such large measure our national progress depends. The cost of power has been maintained at pre-war levels, the large economies in production and distribution offsetting the rise in labor and material costs."

WIDER USE OF STATISTICS

William M. Stewart, Director of the Census, tells how during recent years

(Continued on page 798)

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Apartment Houses (4), Roosevelt and Mascher streets, Philadelphia. Architect, Sol. Kaplan, 10 South Eighteenth street, Philadelphia. Owner, name withheld. Brick, 2 stories. Plans in progress.

Apartment House, Oakland and Oxford Pike, Philadelphia. Architects, Lachman & Murphy, Drexel Building, Philadelphia. Owner, George T. Sales, Liberty Building, Philadelphia. Brick. Plans in progress. Too early for details.

Passenger Station, Fifth and Tabor Road, Philadelphia. Architect, Otto G. Herold, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading, Twelfth and Market streets, Philadelphia. Brick. Plans in progress.

Apartment Buildings (5), South side Ellet street, between McCallum and Lincoln Drive. Architect, L. J. Tunis, 1600 Arch street, Philadelphia. Owners, Weiss-Koplin Co., Bankers' Trust Building, Philadelphia. Stone, brick, cinder block, 2 stories, 38x100 feet each (4-family apartments), slate and slag roof, hardware and cement floors, hot water heat, electric light, tile and marble work, sheet metal work, copper work, steel, painting and glazing. Owners taking sub-bids.

Stores and Apartments, Oxford Pike and Akron street, Philadelphia. Architects, Lachman & Murphy, Drexel Building, Philadelphia. Owner, George T. Sales, Liberty Building, Philadelphia. Brick, 3 stories, irregular in size, hot water heat, electric light, tile work, slag roof, hardwood floors, metal bulks. Ready for bids in a few days.

Residences and Garages (2), West side Coulter, near Fox street, Philadelphia. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owner, George H. English, Greene and Chelton avenue, Philadelphia. Stone, 2½ stories, 25x58 feet, slate roof, hardwood and cement floors, hot water heat, electric light, metal lath, tile work, rolled steel sash (3 baths). Plans in progress. Owner will be ready for sub-bids in one month.

Residence and Garage (Type A), West side Coulter near Fox street, Philadelphia. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owner, George H. English, Greene and Chelton avenue, Philadelphia. Stone, 2½ stories, 25x68 feet, slate roof, hardwood and cement floors, hot water heat, elec-

tric light, metal lath, tile work, rolled steel sash. Owner taking sub-bids.

Residence and Garage, St. Martin and Graver's Lane, Philadelphia. Architect, H. L. Duhring, 1309 Locust street, Philadelphia. Owner, name withheld. Stone, 2½ stories, 30x60 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Plans in progress. Architect will take bids early in January.

Stores (4) and Apartments (6), 2401 North Broad street, Philadelphia. Architect, Arnold Mueller, 901 Walnut street, Philadelphia. Owner, Samuel Lashner, 408 Bulletin Building, Philadelphia. Brick, 3 stories, 21x87 feet, slag roof, hardwood floors, plate glass, hot water heat, electric light, tile work, oil burning, metal ceilings, metal bulks. Owner taking sub-bids.

Apartments (4) and Garages, Roosevelt Boulevard and Mascher street, Philadelphia. Architect, Sol. Kaplan, 10 South Eighteenth street, Philadelphia. Owner, Morris Weiner, Flanders Building, Philadelphia. Brick, 2 stories, 32x76 feet each, slag roof, hardwood floors, hot water heat, electric light. Owner taking sub-bids.

Larchwood Apartments, Forty-seventh and Larchwood streets, Philadelphia. Architects, J. L. Stetler and H. M. Deysher, 1015 Chestnut street, Philadelphia. Owner, Harry Bobb, 6232 Cedar avenue, Philadelphia. Brick, steel, 4 stories, 65x88 feet (25 apartments), slag roof, hardwood floors, vapor heat, electric light, tile work, fire tower. Owner ready for sub-bids.

Trade School for Girls, Thirteenth street, between Green and Brandywine streets. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Plans completed. Owners will advertise for bids around December 23rd, due early in January. Owners will also advertise for electrical bids on Fifty-third and Media Streets School at the same time.

Garage and Show Room, West side Oxford and Cottman street, Philadelphia. Architect, private plans. Owner, Harry J. Minich, on premises. Brick, steel, reinforced concrete, 1 story and 2 stories, 75x130 feet, slag roof, cement floors, waterproofing, steam heat, elec-

tric light, rolled steel sash. Owner taking bids due as soon as possible.

Apartment House, Northeast Corner Forty-first and Chestnut streets, Philadelphia. Architect, private plans. Owners, Kanak Co., 1034 Spruce street, Philadelphia. Brick, cut stone, steel, 4 stories and basement, 240x50 feet, slag roof, oak and pine floors, steam heat, electric light, metal lath, tile work, ornamental iron work. Owners taking bids due as soon as possible.

Stores and Apartments (11) and Garage, 8038-42 York Road, Philadelphia. Architects, Silverman & Levy, Elrae Building, Philadelphia. Owner, name withheld. Brick, steel, 2 stories. Architects taking preliminary bids.

Bank, 1522 Locust street, Philadelphia. Architect, David Bassett, 1520 Locust street, Philadelphia. Owner, name withheld. Brick, cut stone, travertine, steel, 3 stories and basement, 120x24 feet, slag roof, cement floors, hollow tile, plumbing, steel pipe, vacuum steam heat, metal lath, marble and terrazzo work, solid metal sash, ornamental iron work, mackite partitions. Architect taking bids due as soon as possible.

Furniture, etc., Municipal Court, Philadelphia. Owners, County Commissioners, 134 City Hall. Proposal bond. Owners taking bids due December 14th at noon.

Office Building, Parkway, Fairmount avenue and Twenty-fifth street, Philadelphia. Architects, Zantlinger, Borie & Medary, Otis Building, Philadelphia. Owners, Fidelity Mutual Life Insurance Co., 112-16 North Broad street, Philadelphia, Mr. Walter Talbot, president. Architects taking bids due January 4th at noon.

Residences (74), Penway and Garland streets, Philadelphia, \$298,400. Architect, private plans. Owners, Gullman & Berman, 5403 Montgomery avenue, Philadelphia. Brick, 2 stories, (3) 16x48 feet, (71) 16x30 feet, 12x8 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Gasoline Station, Northwest Corner Castor Road and Sanger street, \$11,000. Architect, private plans. Owners, The Texas Company, 618 Widener Building, Philadelphia. Brick, 1 story, 25x25 feet, electric lighting, cement work. Permit granted.

Residences (14), Sixty-eighth and Regent

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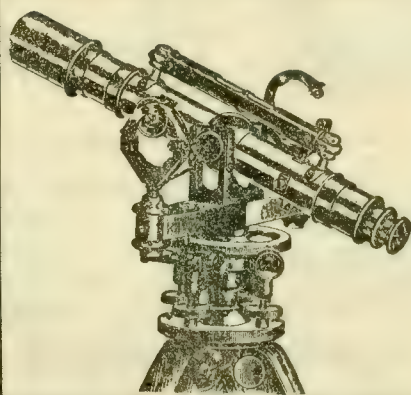
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streets, Philadelphia, \$5,000 each. Architect, private plans. Owners, Kelly-Kotzen Co., 5424 Woodland avenue, Philadelphia. Brick, 2 stories, (1) 15x40 feet, (13) 14x40 feet, slag roof, pine and hardwood floors, hot water heat, electric light. Permit granted.

Garage, 947 North Orianna street, Philadelphia, \$12,000. Architect, private plans. Owner, Joseph A. Brady, 136 South Fourth street, Philadelphia. Brick, 1 story, 54x100 feet, slag roof, cement floors, electric light. Permit granted.

Ice House (alts.), Northwest Corner Philip and Cambria streets, Philadelphia, \$5,000. Architect, private plans. Owners, American Ice Co., 121 North Broad street, Philadelphia. General alterations. Permit granted.

Residences (2), West side Oxford avenue, North of Tyson street, \$5,000 each. Architect, private plans. Owner, Arthur Steinbaum, 7600 Bingham street, Philadelphia. Frame and stucco, 2 stories, hardwood and pine floors, hot water heat, electric light. Permit granted.

Garage and Repair Shop, North side Cambria street, West of Van Pelt street, \$5,000. Architect, private plans. Owner, Carmine Salvato, 2910 Van Pelt street, Philadelphia. Brick and stone, 1 story, 17 feet 8 inches x 75 feet, slag roof, cement floors, electric lighting. Permit granted.

Store and Residence (add. and alts.), Northwest Corner Eleventh and Somerset streets, \$4,000. Architect, private plans. Owner, George W. Morris, 1117 West Lehigh avenue, Philadelphia. Brick, 1 story add., 23x16 feet, general alterations. Permit granted.

Garage, South side Pratt street, East of Duffield street, Philadelphia, \$2,500. Architect, private plans. Owner, A. Forepaugh, Roosevelt Boulevard and Bustleton avenue, Philadelphia. Brick, 1 story, 158x18 feet, slag roof, cement floors, electric lighting. Permit granted.

Residences (46), Albanus, Mascher, Ruscombe and Palethorpe streets, Philadelphia, \$201,800. Architect, private plans. Owner, Morris Weiner, Flanders Building, Philadelphia. Brick, 2 stories, (8) 14x38 feet, (38) 15x28 feet, 9x9 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Residences and Garages (3), West side Fairhill street, South of Cheltenham avenue, Philadelphia, \$64,500. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, Ralph Robbins, 4733 North Camac street, Philadelphia. Residences, stone, 3 stories, 29x37 feet, slate roof, hardwood and pine floors, electric lighting, tile work, garages,

brick, 1 story, 17x20 feet, cement floors. Permit granted.

Shop, West side of Fifty-fifth street, North of Arch street, Philadelphia, \$18,000. Architect, private plans. Owner, Wolf Reisbord, 4442 Ludlow street, Philadelphia. Brick, 2 stories, 50x198 feet, slag roof, electric lighting. Permit granted.

Residences (2), Northeast Corner Vernon Road and Hollis street, \$16,000 total. Architect, private plans. Owner, John Roman, 414 East Brighthurst street, Philadelphia. Brick, 2 stories, 15 feet 8 inches x 38 feet, slag roof, hardwood and pine floors, electric lighting. Permit granted.

Residence and Store, 7703 Buist avenue, Philadelphia, \$7,000. Architect, private plans. Owner, Joseph Dermos, 7703 Buist avenue, Philadelphia. Brick, 2 stories, 16x52 feet, slag roof, hardwood and pine floors, electric lighting. Permit granted.

Residence (add. and alts.), 1649 Federal street, Philadelphia, \$3,000. Architect, private plans. Owner, Jackson Jenkins, 2319 West York street, Philadelphia. Brick, 1 story add., 15x10 feet. Permit granted.

Hotel (changing into) Office Building, 1429 Walnut street, Philadelphia. Architects, Day & Klauder, Franklin Bank Building, Philadelphia. Owners, The Longacre, on premises. Miscellaneous and general interior alterations. Plans in progress.

Storage Warehouse, 237-53 Church Lane, Germantown, Philadelphia. Architect, George S. Kingsley, 1452 Broadway, New York City. Owners, Wallace Storage & Carpet Cleaning Co., 1826 North Twentieth street. Brick, steel, concrete, 6 stories, 75x120 feet, slag roof, concrete floors, steam heat, electric light, elevators, iron work. Plans withdrawn. Revised plans in progress.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Highways, 216 City Hall. Branch sewers, main sewer, sewage disposal, Tacony Creek, intercepting sewer, discharge pipe, S. W. Sewage Pumping Station, boring for Pennsylvania Terminal. Inquire Room 416. Certified check 5 per cent. of amount of bid. Owners taking bids due December 22nd at noon.

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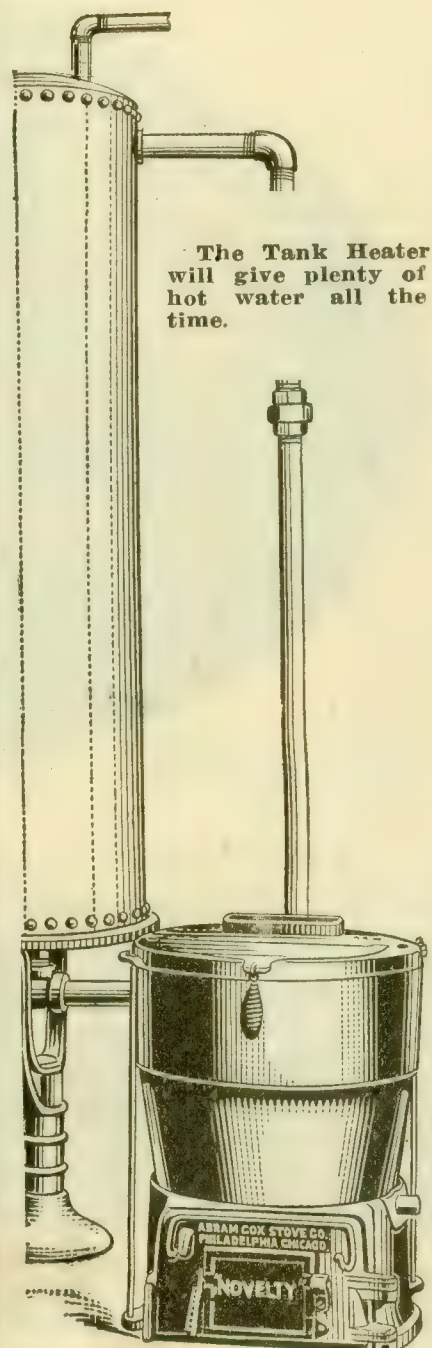
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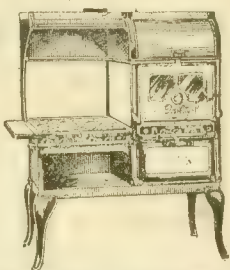
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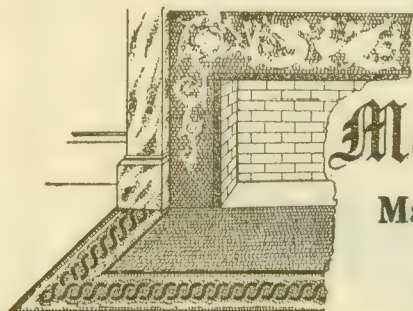


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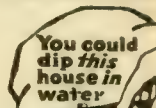
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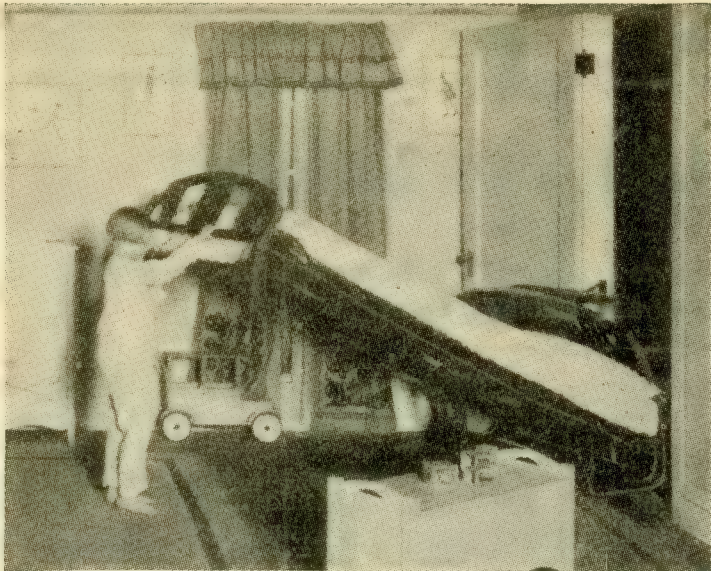


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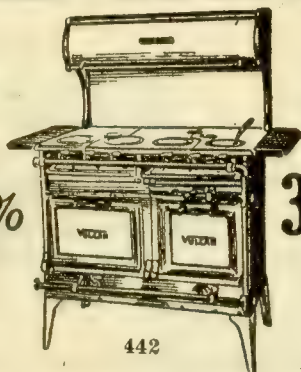
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Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Manufacturing Building, East side N street, North of Kensington avenue, \$50,000. Architect, private plans. Owner, Eugene Carraine, 1620 Mifflin street, Philadelphia. Brick, 2 stories, 138x76 feet, slag roof, electric light, steam heat. Contract awarded to M. Ward Easby, Inc., 1505 Race street, Philadelphia.

Warehouse, 2506-08 West Harold street, Philadelphia, \$4,200. Architect, private plans. Owner, A. W. Nash, 2504 West Harold street, Philadelphia. Brick, 1 story, 36x60 feet, slag roof, electric work. Contract awarded to Frank G. English & Son, 1606 North Carlisle street.

Apartment Building (add.), 1031 Christian street, Philadelphia, \$3,000. Architect, private plans. Owners, Giunta Brothers, 825 South Eleventh street, Philadelphia. Brick, 1 story add., 20x40 feet, slag roof, electric light. Contract awarded to Joseph Sabatine, 927 Washington avenue.

High School, Fifty-third and Media avenue, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, cut stone, steel, granite, reinforced concrete, 4 stories and basement, 268x160 feet (plumbing, heating, electric, ventilating, elevators separate bids), promenade tile, asbestos, slate, composition roof, cement, maple, pine and oak floors, hollow tile, safety treads, roof ventilators, metal weather strip, metal ceilings, shoring, membrane waterproofing, dampproofing, painting and glazing, metal lath, tile, marble and terrazzo work, rolled steel sash and skylights, bond, floor hardener, iron stairs, ornamental iron work, metal corner beads, sheet piling, incinerator, area gratings, steel rolling doors, steel partitions, ornamental plaster, leaded glass. Contracts awarded: W. R. Dougherty, 1610 Sansom street, \$1,022,000; heating, S. Faith & Co., 2427 Pennsylvania avenue, Philadelphia, \$95,996; plumbing, S. Faith & Co., 2427 Pennsylvania avenue, Philadelphia, \$46,995.50; ventilating, Philadelphia Piping Co., care of owners, \$8,199; electric, rejected. Specification 453, heating, S. Faith & Co., 2427 Pennsylvania avenue, \$600. Specification 449, Walker & Kepler, 530 Chestnut street, Philadelphia, \$520. Specification 454, Walker-Kepler Co., 530 Chestnut street, Philadelphia, \$10,881. Specification 456, Mellon & Co., 4415 Ludlow street, Philadelphia, \$34,943. Specification 457, Philadelphia Piping Co., care of owners, \$178. Specification 458, Philadelphia Piping Co., care of owners, \$430.

Completion of Building, Southwest Corner Sixteenth and Oxford streets, Philadelphia. Architect, E. A. Weightman, Bankers' Trust Building, Philadelphia. Owners, Central Odd Fellows' Hall Association, care of architect. Brick, cut stone, limestone, steel, 4 stories and basement, 157x40 feet, steam heat, electric light, metal lath, rolled steel sash, ornamental iron work, slag roof, cement, maple and composition floors, hollow tile, plumbing, waterproofing. Contract awarded Bowden Const. Co., 1607 Summer street, Philadelphia.

Shop and Storage Building, Tioga street and Almond street, Philadelphia. Architect, private plans. Owners, Joseph Hyman & Son, on premises. Brick, steel, 1 story, 120x200 feet, steam heat, electric light, metal lath, rolled steel sash, slag roof, cement and composition floors. Contract awarded John N. Gill Const. Co., City Center Building, Philadelphia.

Residence and Garage, Cheltenham avenue, East of Eighth street, Philadelphia. Architects, C. W. Gilmore and C. M. Talley, 2829 North Broad street, Philadelphia. Owner, W. Joseph Armstrong, care of architect. Hollow tile and stucco, 2½ stories and basement, 32x54 feet, vapor heat, electric light, tile work, tile roof, oak and pine floors. Contract awarded Paul Brosz, 2511 West Huntingdon street, Philadelphia.

Warehouse (restoration), 1015-17 Frankford avenue, Philadelphia. Architects, The Balingier Co., Twelfth and Chestnut streets, Philadelphia. Owners, Edward A. Smith & Co., on premises. Brick, reinforced concrete, steel, 1 story, 108x100 feet, slag roof, cement floors, painting and glazing, electric light, rolled steel sash and skylights, ornamental iron work. Contract awarded Paul Brosz, 2511 West Huntingdon street, Philadelphia.

Residence, Gowen avenue near McCallum street, Germantown, Philadelphia. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, Charles Day, care of architect. Stone, brick, cut stone, 2½ stories and basement, 100x26 feet, wing 67x37 feet, garage 52x29 feet, variegated slate roof, oak and pine, cement floors, painting and glazing, metal lath, tile and marble work, waterproofing, bond, ornamental iron work, flagstone. Contract awarded J. Sims Wilson, 1125 Brown street, Philadelphia.

Steps and Cascades leading to Art Museum, Fairmount Park, Pa. Architects, Borie, Trumbauer & Zantlinger, 1406 Land Title Building, Philadelphia. Owners, Commissioners of

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Fairmount aPrk, City Hall, Philadelphia, Pa. Contract awarded George A. Fuller, Morris Building, \$558,000.

Alterations and Additions, 930 Market street, Philadelphia. Architect, Solomon Kaplan, 10 South Eighteenth street, Philadelphia. Owner, Dr. D. D. Hyman, on premises. Oak floors, painting, glazing, bond, iron work, hollow tile, plastering, elevator, copper roof, carpentry, mill work, heating. Contract awarded Kober Const. Co., 34 South Seventeenth street, Philadelphia.

Store and Residence (add. and alts.), 420 Thompson street, \$5,000. Architect, private plans. Owner, Mr. Welsch, Southeast Corner Laurence and Thompson streets, Philadelphia. Brick, 3 stories, 9x17 feet, general alterations. Contract awarded to I. Manin, 5226 Berks street, Philadelphia.

Residences (2), North side Eastwick avenue, East of Eighty-sixth street, \$4,500 each. Architect, private plans. Owner, Clara Cherry, 8740 Tinicum avenue, Philadelphia. Brick, 2 stories, 16x30 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Charles S. Barnett, 1633 South Fifty-ninth street, Philadelphia.

Business Building (add.), Southwest Corner Fairhill and Porter streets, \$3,500. Architect, private plans. Owner, E. Cohen, 2409 Laurence street, Philadelphia. Brick, 1 story add., 15x10 feet, slag roof, pine floors, electric work. Contract awarded to Philip Goodman, 2409 South Third street, Philadelphia.

Residence and Restaurant (add.), 4209 Chestnut street, Philadelphia, \$3,000. Architect, private plans. Owner, Clara C. Middlefield, 4209 Chestnut street, Philadelphia. Brick, 2 stories add., 16x27 feet. Contract awarded to LeRoy K. Smith, 4007 Chester avenue, Philadelphia.

Garage, 131 West Hottter street, Philadelphia, \$2,400. Architect, private plans. Owner, Charles Cross, on premises. Stone, 1 story, 20x25 feet, cement floors, electric light. Contract awarded to S. W. Kitselman, 125 East Upsal street, Philadelphia.

Store and Residence (alts.), 1440-42 Germantown avenue, Philadelphia. Architect, private plans. Owner, Abraham Rise, 1438 Germantown avenue, Philadelphia. General alterations. Contract awarded to B. Kallen, 2442 North Thirty-third street, Philadelphia.

Bank (alts.), 1641 North Broad street, Philadelphia, \$3,000. Architect, private plans. Owners, Tenth National Bank, on premises. General alterations. Contract awarded to John N. Gill Const. Co., 121 North Broad street.

Residence (add.), 639 Durfor street, Philadelphia, \$2,000. Architect, private plans. Owner, Frank Gold, on premises. Brick, 2 stories add., 12x14 feet. Contract awarded to

S. Goldberg, 2446 South Ninth street, Philadelphia.

Garage, 2637 East Thompson street, Philadelphia, \$2,800. Architect, private plans. Owner, John Zaleski, on premises. Brick, 1 story, 25 feet 11 inches x 18 feet 6 inches, slag roof, cement floors. Contract awarded to John Gulmantowicz, 2926 Almond street, Philadelphia.

Shed, West side Delaware avenue, South of Oregon avenue, Philadelphia, \$2,000. Architect, private plans. Owners, Unkel-Whele Lumber & Foundry Co., on premises. Frame, 1 story, 16x28 feet. Contract awarded to W. P. Cameron Eng. Co., Packard Building, Philadelphia.

Boiler House Addition, Orthodox and Large streets, Philadelphia, \$2,000. Architect, private plans. Owners, Prudential Worsted Co., on premises. Brick, 1 story, 10x44 feet. Contract awarded to F. Crompton & Bro., 4614 Orthodox street.

Store and Residence, 1204 South street, Philadelphia, \$8,000. Architect, private plans. Owner, Joseph Krass, 600 South Twelfth street, Philadelphia. Brick, 3 stories, 21x23 feet 3 inches, slag roof, pine floors, hot water heat, electric light. Contract awarded to Charles Schnitzer, 4502 York Road, Philadelphia.

Manufacturing Building (add.), Swanson street, South of Snyder avenue, \$4,500. Architect, private plans. Owners, Becker, Smith & Page, Water and Swanson streets, Philadelphia. Elevator shaft. Contract awarded to John O. Hausman, 47 Snyder avenue, Philadelphia.

Storage Building (add.), South side Rising Sun avenue, West of Second street, \$4,000. Architect, private plans. Owners, Maus & Baur, Second and Rising Sun avenue, Philadelphia. Coal pockets. Contract awarded to Neff & Fry Co., 736 Drexel Building, Philadelphia.

Residence (add.), North side Kendrick street, East of Frankford avenue, \$3,500. Architect, private plans. Owner, Henry Weed, 8651 Frankford avenue, Philadelphia. Frame, 2 stories add., 14x14 feet. Contract awarded to R. W. Matthews, 8032 Montague street, Philadelphia.

Residence (add.), 414 Gowan avenue, Philadelphia, \$3,000. Architect, private plans. Owner, Charles Havey, on premises. Stone, second story add., 11x15 feet 6 inches. Contract awarded to Irving Demarest, 1935 Stenton avenue, Philadelphia.

Residence (add.), 8011 Frankford avenue, Philadelphia, \$2,500. Architect, private plans. Owner, Dr. Charles S. Blaker, 8011 Frankford avenue, Philadelphia. Brick, 1 story add., 16 feet 9 inches x 28 feet 5 inches. Contract awarded to Samuel D. Milner, 1117 Foulkrod street.

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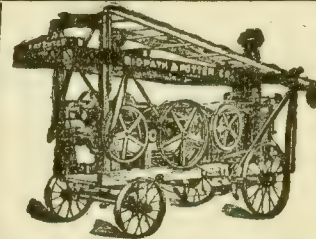
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Residence (add.), 2334 North Sixth street, Philadelphia, \$2,000. Architect, private plans. Owner, William A. Shryock, 2334 North Sixth street, Philadelphia. Brick, 1 story add., 23 feet 6 inches x 50 feet. Contract awarded to Edward Stoltz, Rockledge, Pa.

School (alts.), 5200 North Broad street, Philadelphia, \$14,000. Architect, George I. Lovatt, 223 South Sydenham street, Philadelphia. Owner, Cardinal Dougherty, Eighteenth and Race streets, Philadelphia. General alterations. Contract awarded to D. F. McLaughlin, Collingdale, Pa.

Store and Residence (add. and alts.), 1031 Spring Garden street, \$9,500. Owner, S. K. Allman, Finance Building, Philadelphia. Brick, 3 stories add., 18x38 feet and 14x38 feet, general alterations. Contract awarded to S. H. Levin, Elrae Building, Philadelphia.

Residence, Northwest Corner Castor Road and Chandler street, Philadelphia, \$7,000. Architect, private plans. Owner, Luigi Pechichio, 140 West Cumberland street, Philadelphia. Brick, 2 stories, 16x57 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded to John Spaltro, 105 North Third street, Philadelphia.

Store and Residence (add. and alts.), Northeast Corner Fifth and Pierce streets, \$5,000. Architect, private plans. Owner, Morris Berman, 1743 South Fourth street, Philadelphia. Brick, 1 story add., 16x10 feet, general alterations. Contract awarded to I. J. Krakow, 415 Ritner street, Philadelphia.

Residence (add. and alts.), 118 North Fifty-second street, Philadelphia, \$4,600. Architect, private plans. Owner, Louis Tati, 47 North Fifty-second street, Philadelphia. Brick, 2 stories add., 16x14 feet, general alterations. Contract awarded to Antonio Puntillo, 1046 South Fifth street, Philadelphia.

Store and Residence (alts.), 2998 Edgemont street, Philadelphia, \$4,000. Architect, private plans. Owner, A. Domzalska, on premises. General alterations. Contract awarded to Star Building & Cement Co., 3013 Richmond street.

Residence (alts.), 6328 Germantown avenue, Philadelphia, \$4,000. Architect, private plans. Owner, J. W. Reed, on premises. General alterations. Contract awarded to James H. Walter, 168 East Walnut Lane, Philadelphia.

Warehouse, 1238-40 South Second street, Philadelphia, \$12,000. Architect, private plans. Owner, Samuel Driban, 1301 South Second street, Philadelphia. Brick, 2 stories, 32x40 feet, 32x60 feet, slag roof, electric work. Contract awarded to J. Rothman, 1833 South Eighth street, Philadelphia.

Store and Office (alts.), 5821-23 Germantown avenue, \$6,500. Architect, private plans. Owner, Charles Marion, on premises. General alterations. Contract awarded to Charles

Chapman, 1741 North Lindenwood street, Philadelphia.

Residences (4), (2) Stanwood street, East of F, (2) Hoffnagle street, West of F, Philadelphia, \$3,500 each. Architect, private plans. Owner, J. A. Bacher, 7862 Oxford Pike, Philadelphia. Brick, 2 stories, 16x26 feet, 16x7 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to H. W. Myers, 638 Solly avenue, Philadelphia.

Pennsylvania Construction News

Residence and Garage and Garden Wall, Bethlehem Pike near Church Lane, White-marsh, Pa. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, Mrs. Jesse Nalle, Whitmarsh, Pa. Hollow tile, cut stone, stucco, 2½ stories and basement, 84x24 feet, wing 63x24 feet, wing 41x19 feet, shingle and tile roof, oak and pine and cement floors, tile and marble work, rolled steel skylights, bond, ornamental iron work, waterproofing, Straub building blocks, flagstone. Architects taking bids due December 23rd.

Church, Philadelphia suburb. Architect, Peter F. Getz, Victory Building, Philadelphia. Owner, name withheld. Brick, stone, 1 story and basement, seating capacity 300. Plans in progress. Ready for bids in two weeks.

Church, Williamstown, Pa. Architect, Albert N. Dobbins, 1709 Arch street, Philadelphia. Owners, Methodist Episcopal Church, Rev. Mr. Shalkop, Williamstown, Pa. Brick, 2 stories, 34x64 feet, slate roof, pine and composition floors, vapor heat, electric light. Plans completed. Owners, care of J. B. Leshner, Chairman Building Committee, Williamstown, taking bids from local contractors.

Theatre, Northampton street, Easton, Pa. Architect, William H. Lee, 1505 Race street, Philadelphia. Owners, Wilmer & Vincent, Easton, Pa. Brick, steel, 1 story. Preliminary plans in progress.

Printing Plant, Easton, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Eschenbach Printing Co., 207 Church street, Easton, Pa. Brick, 1 story. Plans in progress.

Mill Building (add.), Easton, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Gunning Silk Co., Easton, Pa. Brick, 1 story, slag roof. Plans in progress.

School (add.), Springfield, Delaware County, Pa., \$100,000. Architects, MacKenzie & Wiley, Bankers' Trust Building, Philadelphia. Owners, Board of Education, Springfield,

Delaware County, Pa. Stone, second floor add., 8 class rooms, slag roof. Plans in progress.

Residence and Garage, Merion, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owner, Edward M. Harris, 2214 Chestnut street, Philadelphia. Brick, 2½ stories, 35x63 feet. Preliminary sketches drawn.

Garage, Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owner, name withheld. Fireproof, brick, steel, 2 stories, 254x150 feet, slag roof, concrete floors, steam heat, electric light, steel sash. Plans in progress.

Hospital (add.) (Chapel, X-Ray Department, etc.), Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, care of architects. Fireproof, brick, steel, 4 stories and basement, 60x160 feet, built-up roof, composition floors, hollow tile, safety treads, roof ventilators, metal weather strip, laundry equipment, refrigeration, kitchen equipment, iron stairs, ornamental iron work, fire doors, steel sash, tile and marble, metal lath, steam heat, electric light. Plans in progress.

Private School, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown. Owners, care of architects. Brick, steel, stone trim, 3 stories and basement, 65x80 feet, built-up roof, hardwood floors, hollow tile, safety treads, roof ventilators, waterproofing and dampproofing, ornamental iron work, iron stairs, fire doors, rolled steel sash, metal lath, steam heat, electric light. Plans in progress.

Central Heating Plant, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown. Owners, care of architects. Reinforced concrete, brick, steel, 1 story, 50x100 feet, built-up roof, concrete floors, steam heat, electric light, steel sash, ash conveyers. Plans in progress.

Manufacturing Building (add.), Lansdale, Pa. Architect, Arnold Mueller, 901 Walnut street, Philadelphia. Owner, name withheld. Brick, 1 story and basement, 40x70 feet, joist construction, slag roof, cement and maple floors, heating and lighting extensions, rolled steel sash, steel girders. Plans completed. Architect taking sub-bids due as soon as possible.

Store and Apartment, Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owner, Frank Wolfe, 129 North Eighth street, Allentown, Pa. Cinder block and stucco, 3 stories, 40x60 feet, slag roof, pine floors, oil burner, electric light, plate glass, copper work. Owner taking sub-bids.

Residence, Noble Vista, Montgomery County, Pa. Architect, private plans. Owner, Robert H. Kessler, 1733 Marvine street, Philadelphia. Stone, 2½ stories, 30x40 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Owner taking sub-bids.

Locker Building and Club House (alts. and add.), Lafayette Road near West Conshohocken, Pa. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Philadelphia Country Club, Bala, Pa. Stone, brick, cut stone, stucco, tile roof, linoleum and cement floors, painting and glazing, hardware, tile and marble work, ornamental iron work. Club house alts. and add., concrete work, carpentry and mill work, plastering, painting,

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iron work, marble and tile work, linoleum floors, plumbing, hardware. Architect taking bids due December 18th, 2 P. M.

New Lafayette Hotel (add.), 129 North Seventh street, Allentown, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owner, William D. Cassone, Allentown, Pa. Brick, granite, cut stone, steel, 7 stories and basement, pent house, 96x48 feet, composition roof, cement and oak floors, hollow tile, elevators, plumbing, metal weather strip, integral waterproofing, ornamental iron work, floor hardener, bond, hollow metal doors, rolled steel skylights, hollow metal sash, marble and terrazzo work, metal lath, steam heat, electric light, ornamental plaster. Architects taking bids due December 18th.

Rectory, Beverly Hills, Delaware County, Pa. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owners, United Presbyterian Church, Rev. C. O. Smith, 2806 Hamilton street. Stone, 2½ stories, 30x31 feet, slate roof, oak, pine floors, hot water heat, electric light, metal lath, ornamental iron work. Architects taking bids.

Residence, Beechwood, Pa. Architect, George W. Steidle, Jr., Arlington and Sprattenmore Road, Brookline. Owner, George W. Steidle, Sr., Brookline, Pa. Frame and stone, 2½ stories, 25x38 feet, shingle roof, oak and pine floors, hot water heat, electric light, flagstone. Architect taking bids due as soon as possible.

Branch Bank Building, Third and Highland avenue, Chester, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Pennsylvania National Bank of Chester, Pa. Stone, brick, 3 stories. Owners taking bids.

Apartment House (alts. and add.), Paoli, Pa. Architect, Henry L. Reinhold, Jr., 1513 Walnut street, Philadelphia. Owner, H. K. Read, care of architect. Preliminary plans in progress.

Store and Office (alts. and add.), Washington street, Wilkes-Barre, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre. Owner, name withheld. Brick, steel, 2 stories add., 114x22 feet, slag and slate roof, hardwood floors, central heat, electric light, tile and marble work, metal ceilings. Plans in progress.

School, Wynnewood, Pa., \$300,000. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Board of Education of Lower Merion, Ardmore, Pa. Brick, stone. Plans in progress. Will take bids in spring, 1926.

Pennsylvania

Contracts Awarded

Factory, Pembroke avenue, East Lansdowne, Pa. Architect, Richard A. Kerns, Jr., 109 South Twenty-second street, Philadelphia. Owners, Richard R. Lloyd & Co., on premises. Brick, steel, 1 story, 150x60 feet, slag roof, cement floors, rolled steel sash. Contract awarded Smith-Hardican Co., 1809 Calowhill street, Philadelphia.

Bank Building (add.), Chester, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owners, Chester National Bank, Chester, Pa. Brick, cut stone,

steel, 1 story add., 30x40 feet, slag roof, cement and linoleum floors, hollow tile, painting and glazing, plumbing, steam heat, electric light, tile and marble work, metal lath, iron stairs, ornamental iron work, metal lath, metal lockers. Contract awarded William Provost, Jr., Chester, Pa.

Cottages (2), near Broadax, Pa., \$30,000. Architect, R. Brognard Okie, 308 South Smedley street, Philadelphia. Owner, M. N. Seabreeze, Packard Building, Philadelphia. Frame, 2 stories, 30x35 feet, 18x40 feet, shingle roof, pine floors, hot air heat, electric light, shingle roof, pine floors. Contract awarded Melvin H. Grebe, 5 East Highland avenue, Philadelphia.

Residence and Garage, Bryn Mawr, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, G. Herbert Taylor, Stock Exchange Building, Philadelphia. Stone, 2½ stories, 65x28 feet, wing 20x25 feet (heating reserved), electric light, tile work, slate roof, hardwood floors. Contract awarded Bencker Realty Co., Upper Darby, Pa.

Country Club (alts. and add.), Montgomery County, Pa. Architects, J. L. Stetler & H. M. Deysher, Jefferson Building, Philadelphia. Owners, Roxborough Country Club, Ridge and Gates streets, Philadelphia. Frame, stucco, 2 stories and basement, 28x205 feet, shingle roof, hardwood floors, heating undecided, electric light, tile work. Contract awarded E. E. Cuthbertson, 334 Roxborough avenue, Philadelphia.

Almshouse, Wescoesville, Pa., \$269,986. Architect, David Levy, 25 North Sixth street, Allentown, Pa. Owners, Lehigh County Commissioners, care of C. J. Dilcher, Court House, Allentown, Pa. Brick, concrete, steel, 3 stories, slag roof, composition floors, vapor heat, electric light, steel sash, waterproofing and dampproofing. Contract awarded to Frank G. Yeakel, 711½ North Twelfth street, Allentown. Heating to E. P. Saeger & Co., 1401 Turner street, Allentown, \$25,617. Plumbing to William Bornstein, Inc., 1000 West Broad street, Bethlehem, \$17,050. Electric to W. H. Taylor & Co., 256 Hamilton street, Allentown. \$8,185. Water tower to Chicago Brick & Iron

Co., Chicago, Ill., \$6,640.

Cottage, Bryn Mawr, Pa. Architects, Stewardson & Page, 315 South Fifteenth street, Philadelphia. Owner, Charles C. Perkins, Bryn Mawr, Pa. Stone, 2½ stories, 33x35 feet, slate roof, oak and pine floors, hot water heat, electric light. Contract awarded H. P. Wolfe & Son, Bryn Mawr, Pa.

Residence, Kingston, Pa. Architects, Mack & Sahn, Coal Exchange Building, Wilkes-Barre, Pa. Owner, W. G. Williams, 599 Market street, Kingston, Pa. Frame, 2½ stories, 28x30 feet, asbestos shingle roof, hardwood floors, steam heat, electric light, tile work. Contract awarded to J. H. Rau, Dallas, Pa.

Double Residence, Wilkes-Barre, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre. Owner, name withheld. Brick, 2½ stories, 38x60 feet, slate roof, hardwood floors, vapor heat, electric light, tile work, plate glass. Contract awarded to J. J. Gibbons, Avoca, Pa.

School, West Wyoming, Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owners, West Wyoming School Board, care of architect. Brick, 6 rooms, slag roof, maple floors, electric light. Contract awarded to M. L. Roth, 207 South Main street, Wilkes-Barre, Pa.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Low bidders:

Somerset County, R-50, A-3474, Milford Township, New Centerville Borough, 20,938 feet. One course reinforced concrete. W. W. Harper Const. Co., Franklin, W. Va., \$160,413.63.

Westmoreland County, A-3632, Unity Township, 11,785 feet. One course reinforced concrete. Michael Barber, Binghamton, N. Y. \$92,344.59.

Susquehanna County, R-296, A-3611, Cliford Township, 14,070 feet. One course reinforced concrete. Lincoln Const. Co., Straford, Pa. \$105,260.68.

Warren County, R-93, S-1, Limestone, Watson, Pleasant Townships, 74,500 feet. Grading and drainage. Road Construction Company, Butler Pa. \$315,013.57.

Somerset County, A-3327, Ogle and Shade

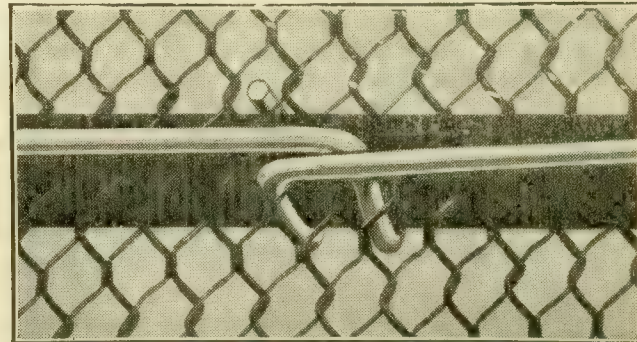
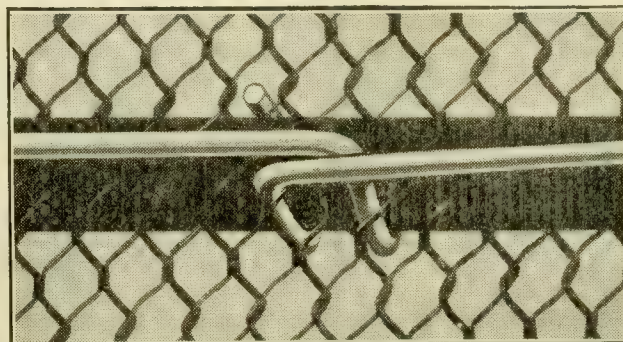
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Phone or Write for Estimate

Townships, 9,803 feet. One course reinforced concrete. Rudolph & Delano, Tamaqua, Pa. \$85,992.35.

School, Elkins Park, Pa. Architects, Paul A. Davis & Dunlap, 1805 Walnut street, Philadelphia. Owners, School Board of Cheltenham Township, Pa. Reinforced concrete, brick, cut stone, steel, 3 stories and basement, 156x190 feet, slag and tile roof, composition, cement, maple floors, metal lath, tile, marble and terrazzo work, rolled steel sash and skylights, kalamein and hollow metal doors, ornamental iron work, limestone, bluestone, granite, waterproofing, architectural terra cotta. Contract awarded H. E. Baton, 1713 Sansom street, Philadelphia.

New Jersey Construction News

Dance Hall, South Jersey. Architect, R. R. Neely, 2301 Spruce street, Philadelphia. Owner, name withheld. Frame and stucco, 1 story, 80x32 feet, corrugated iron roof, pine floors, 12-foot tower, 20 feet high. Plans in progress.

Club House, Atlantic City, N. J. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Atlantic City Speed Boat Club, Atlantic City, N. J. Brick, 2 stories. New plans will be drawn in spring, 1926.

High School, Vineland, N. J. Architects, Guilbert & Betelle, Newark, N. J. Owners, City of Vineland, Board of Education, Vineland, N. J. Brick, stone, steel, 2 stories. Plans in progress.

Residence and Garage, Ventnor, N. J. Architect, C. H. Adams, Chelsea Bank Building, Atlantic City, N. J. Owner, name withheld. Brick, 2½ stories, 30x43 feet, slate or tile roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Apartment, Inlet, Atlantic City, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, name withheld. Brick, steel, 3 stories, 45x100 feet, slag roof, hardwood floors, hot water heat, electric light, metal lath, tile and marble work. Plans in progress.

Store (alts. and add.), 450 Kaighn avenue, Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, Mr. Weinberg, care of architect. Brick, 2 stories, 20x35 feet, slag roof, pine floors, heating extension, electric light, plate glass. Plans in progress.

House (alts.), Merchantville, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, Louis Humphreys, care of architect. Frame, slate roof, hardwood floors, general interior alterations, tile work. Plans in progress.

Residence, Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owner, Henry Ludecke, 13 West State street, Trenton, N. J. Frame, 2½ stories, 25x60 feet. Sketches in progress.

Church, Sunday School (alts.), Trenton, N. J. Architect, Walter Hankin, 224 East Hanover street, Trenton, N. J. Owners, Grace Baptist Church, Rev. W. Henderson, 622 West State street, Trenton, N. J. Stone, 1 story and basement, 64x72 feet. Plans in progress.

Grade School, Somerville, N. J. Architects, W. W. Slack & Son, St. Regis Building, Trenton, N. J. Owners, Board of Education, Bridgewater Township, Somerville, N. J. All bids rejected. Revised plans in progress.

Swimming Pool (alts. and add.), Atlantic City, N. J. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City. Owner, M. Harris, care of architect. Brick, fireproof, 2 stories add., 80x150 feet, plumb-

ing, tile and marble work. Will be ready for bids in ten days.

Wireless Station (alts. and add.), Albany avenue, Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owner, H. T. Headley, Commissioner, City Hall, Atlantic City, N. J. Concrete, steel, 1 story, 40x15 feet 6 inches, asphalt roof, hardwood floors, weather strip. Owners taking bids due December 17th.

Residence, 3256 Lemuel avenue, Camden, N. J., \$3,500. Architect, private plans. Owner, William F. Todd, 952 North Thirty-third street, Camden, N. J. Frame, 2 stories, 16 feet 3 inches x 33 feet, asphalt roof, pine floors, hot water heat, electric light. Permit granted.

Apartment Building, 843-45 Broadway, Camden, N. J. Architect, Arthur B. Gill, 328 Market street, Camden, N. J. Owners, Berger Brothers, 900 Broadway, Camden, N. J. Lowest bidder: Victor Bezahler, Fourth and Kaighn avenue, Camden, N. J.

Bank, Glassboro, N. J., \$90,000. Architect, C. R. Peddle, 136 South Fourth street, Philadelphia. Owners, First National Bank of Glassboro, N. J. Brick, marble, 1 story and mezzanine, 45x90 feet, slag roof, marble floors, warm air heat, electric light, tile work, bronze bank screens. Plans in progress.

New Jersey Contracts Awarded

Bank (alts. and add.), Camden, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, West Jersey Title & Trust Co., C. H. Laird, vice-president, Third and Market streets, Camden, N. J. Interior alterations, cork linoleum floors, elevators, metal lath, tile and marble, electric light, bronze work, vault, iron stairs. Contract awarded to J. W. Draper, 436 Haddon avenue, Camden, N. J.

Store, Atlantic City, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City. Owner, Morris Elfman, 4903 Atlantic avenue, Atlantic City. Brick, 3 stories, slag roof, hardwood floors, electric light. Contract awarded to Basch & Co., Ruan and Tackawanna streets, Philadelphia.

Stores and Apartments (5), 212-20 South Broad street, Trenton, N. J. Architect, L. S. Kaplan, Broad Street Bank Building, Trenton, N. J. Owner, Isaac Levine, Union street, Trenton, N. J. Brick, concrete block, steel, limestone, 3 stories, 17x74 feet, slag roof, pine and hardwood floors, plate glass, tile work, hot water heat, electric light. Contract awarded to F. J. Bayer, 25 Lewis street, Trenton, N. J.

Residence and Store (add. and alts.), 28 East Front street, Trenton, \$9,600. Architect, private plans. Owner, George Wood, care of builders. Brick, 3 stories, 20x47 feet, slag and slate roof, metal ceilings, electric light, tile work, plate glass. Contract awarded to John Ross & Son, Wilkinson Building, Trenton, N. J.

Residence, 1516 Baird avenue, Camden, N. J., \$19,000. Architect, Howard S. Stevenson, Philadelphia. Owner, Benjamin Richman, Fourth and Mechanic streets, Camden, N. J. Brick, 2 stories, 22x54 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to S. Levy, 1214 Kaighn avenue, Camden, N. J.

Residence, 511 North Thirty-fifth street, Camden, N. J., \$6,000. Architect, private plans. Owner, Lizzie Hague, Camden, N. J. Frame, 2 stories, 15x38 feet, asphalt shingle roof, hardwood and pine floors, hot air heat, electric light. Contract awarded to H. B.

Simpkins, 449 North Thirty-second street, Camden, N. J.

Residence (alts. and add.), 315 Lawrence street, Camden, N. J., \$5,000. Architect, private plans. Owner, Mrs. Mary Mortimer, 331 Lawrence street, Camden, N. J. Brick and steel, 2 stories, 19 feet 10 inches x 26 feet, asphalt roof, general alterations. Contract awarded to J. E. Mortimer, 331 Lawrence street, Camden, N. J.

Residence, North Eastfield avenue, Trenton, N. J., \$3,000. Architects and owners, W. W. Slack & Son, St. Regis Building, Trenton. Frame, 2½ stories, 27x40 feet, slate roof, pine floors, hot water heat, electric light. Contract awarded to J. H. Martinett & Son, 901 Carteret street, Trenton, N. J.

Residence and Store (alts.), 123 South Warren street, Trenton, N. J., \$3,000. Architect, private plans. Owner, A. B. Sloer, on premises. General alterations, slag roof. Contract awarded to Hugo Reisinger & Son, 223 Clay street, Trenton, N. J.

Miscellaneous Construction News

Residence, Winston-Salem, N. C. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, Mr. E. Landis, Winston-Salem, N. C. Architect taking bids due December 30th.

Bakery, Albany, N. Y. Architects, Alexander Smith, 811 Penn street, Reading, Pa., and Carson & Carson, 22 South Fifteenth street, Philadelphia. Owners, Kolb Bakery, Albany, N. Y. Reinforced concrete, brick, steel, 1 and 2 stories and basement, 171x171 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash, ornamental iron work. Architects taking bids due December 19th.

Miscellaneous Contracts Awarded

Plant, Parkersburg, W. Va. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Viscose Co., Marcus Hook, Pa. Brick, reinforced concrete, steel, 1 story, 451x144 feet, slate, slag and shingle roof, composition and cement floors, hollow tile, plumbing, safety treads, roof ventilators, metal weather strip, waterproofing and damp-proofing, metal lath, tile, marble work, rolled steel sash, saw-tooth skylights, fire and kalamein doors, bond, floor hardener, iron stairs, ornamental iron work, asphalt mastic floor, area gratings, caulking, rolled steel shutters, steel partitions. Contract awarded John Pettijohn, Lynchburg, Va.

(Continued from page 788)

statistics have been put to work to enable the business community to avoid the extremes of the business cycle. This development was largely the result of exhaustive research conducted by the Committee on Unemployment and the Business Cycle, appointed by the Secretary of Commerce in 1922.

"The Department, through the Bureau of the Census, inaugurated the monthly Survey of Current Business in 1921," Mr. Steuart points out, "and has been building up that publication ever since, with the aim of collecting all this type of

information and making it promptly available to the business community.

At the same time the census of manufactures was reorganized to point it more directly to these purposes. The Department has also developed a large informational service through Commerce Reports, issued weekly, and the Commerce Yearbook, issued annually, together with numerous special reports of particular interest to different industries and trades. These services reflect the concentration of the vast collection of data from individual industries and trades, a considerable part of which has been recruited by the trades themselves."

IMPROVE PROCESSES

George K. Burgess, Director of the Bureau of Standards, reports on the work of that Bureau, which, since the war, has developed greatly on the side of industrial research into the elimination of waste in industrial processes, always in cooperation with the industries themselves.

"Through these researches," says Dr. Burgess, "ways and means have been found for the better utilization of our raw materials, for cheapening and improving the quality of manufactured articles, and for turning to useful purposes by-products of industrial plants. Recent progress in this field of waste elimination may be illustrated by the experiments in chrome tanning for shoe soles, which increases the time of wear; the studies of crazing of pottery, which cuts down seconds; and the demonstration of the practicability of the commercial production of levulose, which may result in a new American industry.

ELIMINATING WASTE IN THE CONSTRUCTION INDUSTRY

A conspicuous example of definite accomplishment in waste elimination, with the Department assisting, has been in the construction field. Construction bears a peculiar relationship to the whole economic fabric, because the industries dependent upon it for the disposal of their products—lumber, steel, cement, and so on—form so large a section of our national economic structure. In 1923 Secretary Hoover appointed a committee to investigate seasonal operation in the construction industries and see if the wastes due to the seasonal character of those operations could not be curtailed.

"The better understanding of the problem brought about by the committee's report and the cooperative activities in

many localities have all had a marked effect," says John M. Gries, Chief of the Division of Building and Housing, in reviewing accomplishments in this field. "Activity of a large number of contractors on operations throughout the country averaged about a third greater during the three winter months of 1924 than in previous years. The far-reaching practical effect of such developments has been demonstrated during the past year, when the total amount of construction reached a value of more than \$6,000,000,000, the highest in our history.

"Large building programs in the past usually meant rapidly mounting costs of construction. In this case, however, there was a greater equalization of building activity throughout the 12 months, and as a result the enormous construction program was executed with no marked labor shortage or serious pressure upon the building material, manufacturing, or transportation industries. The prices of most building materials, in fact, actually decreased."

Another development affecting construction has been the widespread adoption of American lumber standards, worked out by a committee appointed by the Secretary of Commerce in 1922. At the same time progress is being made in the grade marking of lumber.

In 1921 the Secretary of Commerce appointed a committee on Building Codes, whose exhaustive studies and reports have been accepted as authoritative and have been utilized widely in progressive revision of obsolete requirements in different cities. An Advisory Committee on Zoning, also appointed in 1921, prepared a Standard State Zoning Enabling Act which has been used wholly or in part by 17 states—"a fact which bears eloquent testimony to the value and far-reaching scope of the committee's work in this field," according to Dr. Gries.

SIMPLIFIED PRACTICE

Simplified Practice is another method through which the Department has been helping the industrial community to eliminate industrial wastes. "Simplified Practice" means the reduction of variety in sizes and dimensions of everyday commodities. It has nothing to do with style problems or matters of individual creation. The Division of Simplified Practice was established in the Bureau of Standards in 1921, and its chief is now Ray M. Hudson.

"Since this cooperative service was inaugurated over 50 simplifications have

been achieved by the industries and trades concerned, resulting in an average reduction varieties of 73 per cent," Mr. Hudson reports. "The annual value of manufactured goods affected by these

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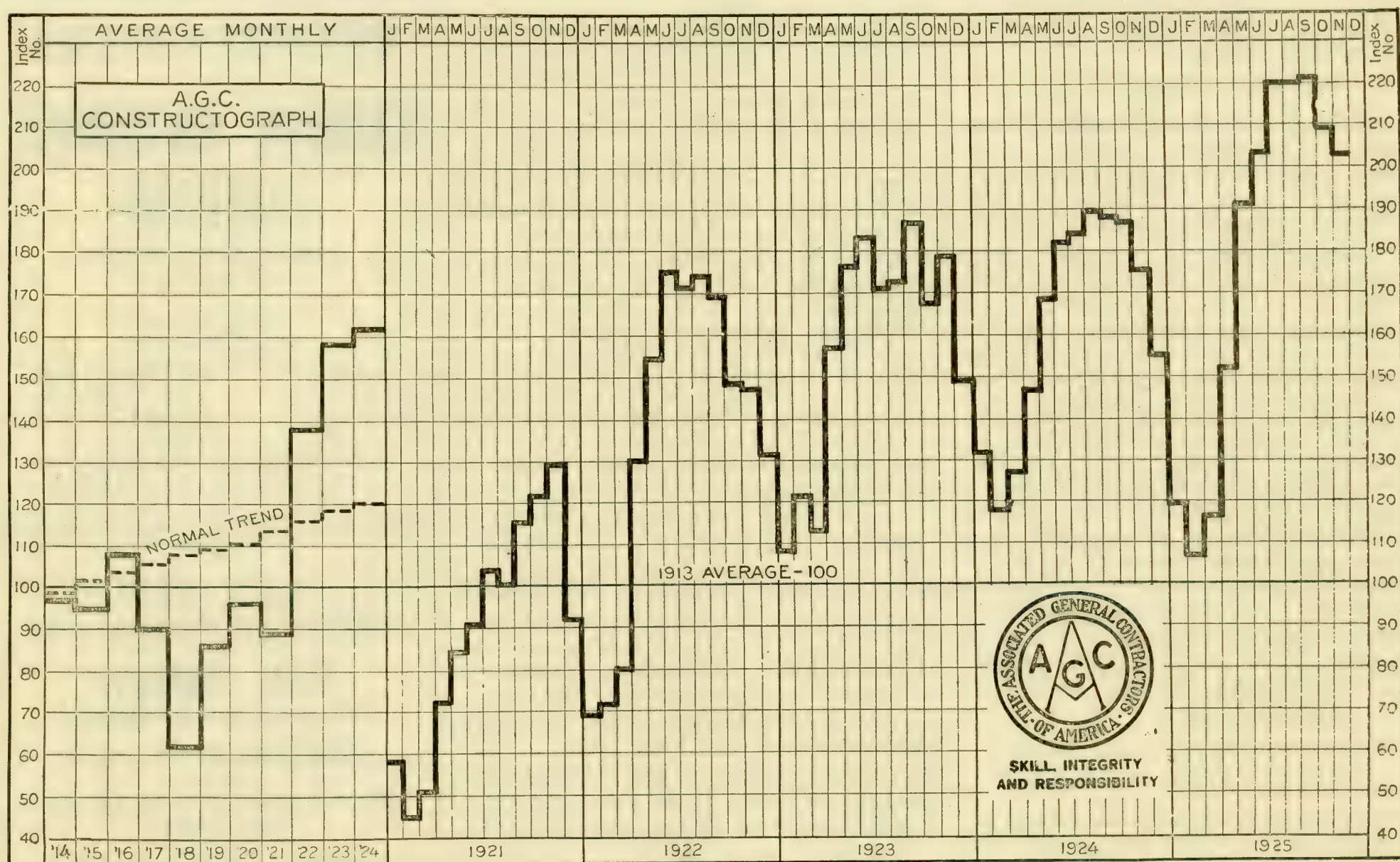
**SURETY
BONDS**

simplifications runs well over two billions. In eight typical cases leaders in the fields covered have estimated potential savings from simplification as follows: Paving brick, \$1,000,000; sheet steel, \$2,400,000; steel reinforcing bars, \$4,500,000; warehouse forms, \$5,000,000; range boilers, \$5,500,000; builders' hardware, \$10,000,000; inquiry, purchase order, and invoice forms, \$15,000,000; and lumber, as high as \$200,000,000."

OTHER WASTE ELIMINATION ACTIVITIES

Dr. Burgess tells how the Federal Specifications Board, in cooperation with the Bureau of Standards, is eliminating wastes by drawing up standard specifications. Julius Klein, Director of the Bureau of Foreign and Domestic Commerce, describes the rise of the farmers' cooperatives and the efforts of the Department to help eliminate waste in do-

mestic distribution. Henry O'Malley, Commissioner of Fisheries, cites concrete examples of savings in the fishing industry. A. B. Barber, Director of the National Conference on Street and Highway Safety, of which Secretary Hoover is chairman, instances the mounting curve of human, material, and financial losses due to street and highway accidents as "one of the most conspicuous examples of waste in modern American life."



Construction operations during the next three months will be sustained at a greater volume than that held during the cold-weather period of any previous year on record, according to indications presented by statistics compiled by the Associated General Contractors of America. It is pointed out that construction operations in November maintained a level higher than the mid-summer plane of 1924, and this despite declines that asserted themselves during the preceding sixty days. Also, the fact that contracts awarded in October mounted to record-breaking figures for the month presages the activity that may be expected to develop if especially severe weather does not upset the program.

The total volume of construction performed during the first eleven months of 1925 exceeds by nine per cent the volume

of building during the corresponding period in 1924.

The average cost of construction in the principal building centers of the United States rose one point in November from the low mark to which it dropped in October. Since July the average of construction costs has been lower than at any time since the Spring of 1923.

The volume of contracts awarded continues to rise above all previous marks. October was the eighth consecutive month in which awards set new current-month records.

The volume of building permits issued in twenty principal cities during October was fifteen per cent greater than the September figure.

The average of wages in the construction industry remained stationary during

November. Prices paid by contractors for the basic construction materials rose two points during the month, reflecting price increases in several localities for lumber, brick and crushed stone, which were not entirely offset by lower prices for sand, gravel and cement, in some sections of the country.

A total of 95,000,000 square yards of concrete surface pavement was represented in awards made during the first ten months of 1925. This figure exceeds by more than three per cent the total awards in 1924.—*Bulletin, Associated General Contractors of America.*

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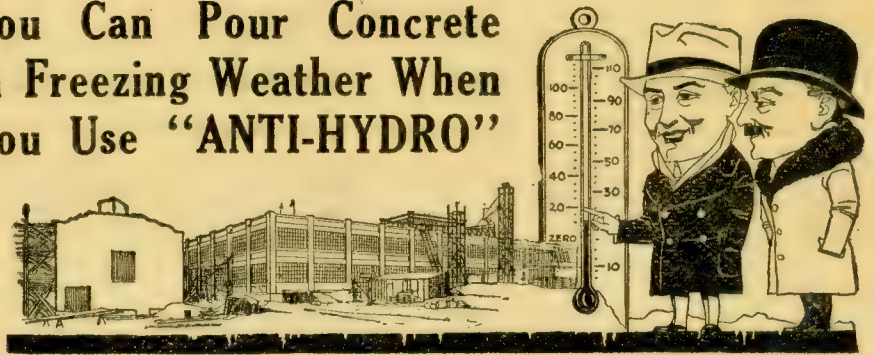
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Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XL, No. 51
December 23, 1925

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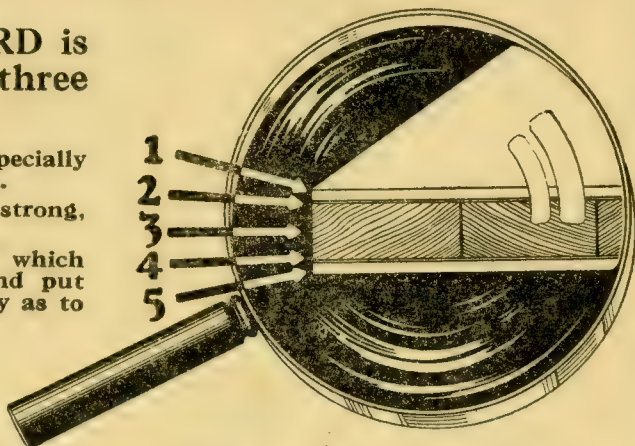
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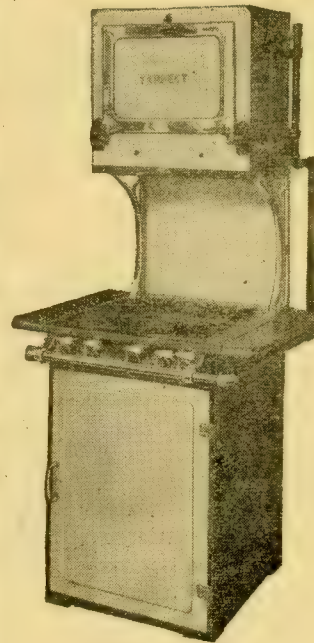
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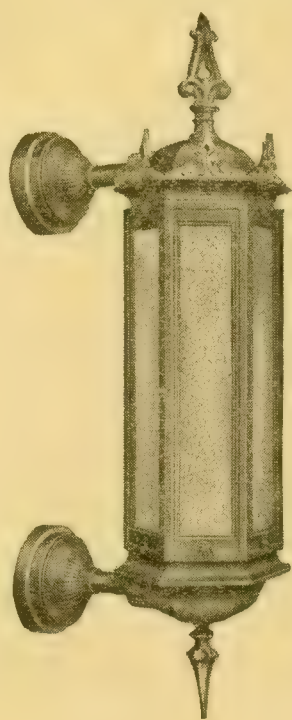
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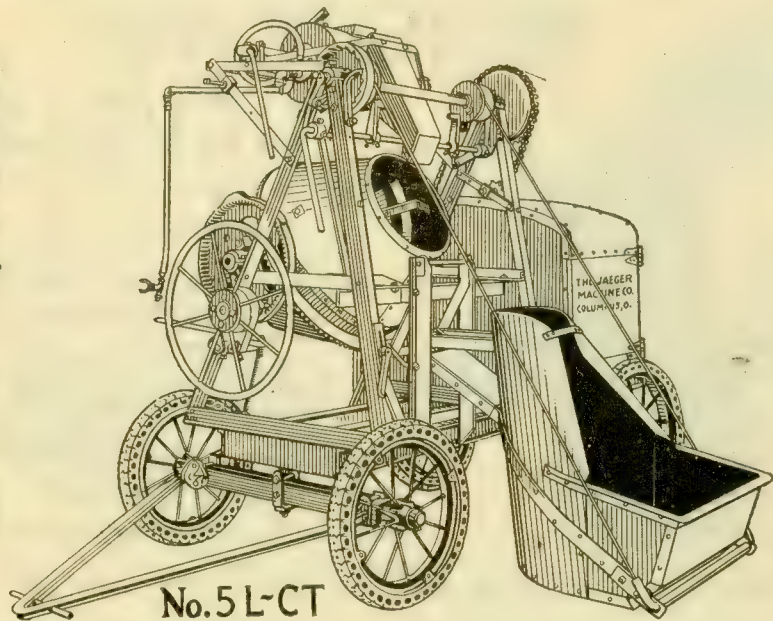
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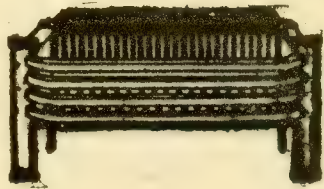
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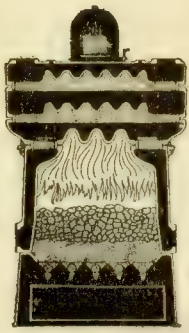
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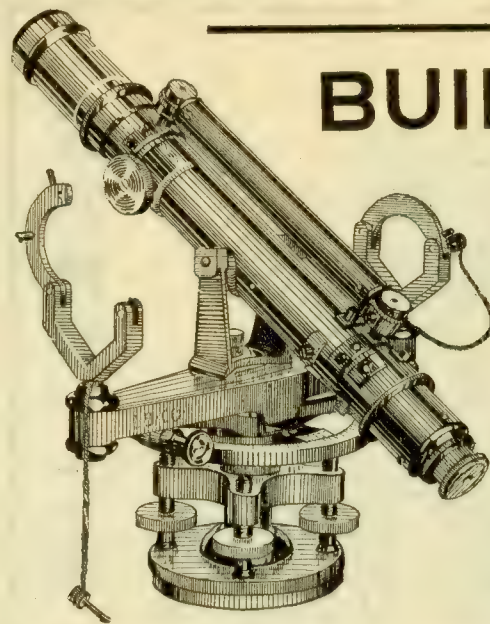
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XL
Number 51

PHILADELPHIA
December 23, 1925

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As The Editor Sees It



STABILIZING THE BUILDING INDUSTRY

BY W. J. LYNCH, V. P., THOMPSON-STARRETT CO.*

*Many Factors Work to Level Peaks.
Cost Is Less for Winter Jobs*

To treat the subject of stabilization in the building industry in a comprehensive way would require most careful study and analysis. It is my purpose only to mention briefly a few of the more obvious factors that influence the peaks and depressions of our business and to dwell more particularly on one important factor which is in our control to influence to a large degree.

The first requisite for stability in the industry is that the agencies which execute the projects shall possess qualities of skill, integrity and responsibility, qualities which the Associated General Contractors of America have chosen as their standard.

So equipped, contractors are prepared to receive and perform the nation's building.

*(Editor's Note—A paper presented before the American Construction Council and the Chicago Association of Commerce, Chicago, Nov. 20, 1925.)

Importance of Sound Financing

Their first concern should be to scrutinize the business offered and make certain that their services and materials are not to be utilized in producing structures either physically or financially unsound. The safeguarding of physical soundness may be largely left to the architects and the building laws of the state. A contractor who encourages the construction of projects financially unsound is a menace to his industry and a detriment to the community. The first responsibility lies with the bankers and mortgage loan houses. Insurance company loans are so conservative that projects financed by them are usually excellent, but if building work could proceed only on the conservative basis of insurance company loans, a tremendously vast volume of sound construction enterprises would never come into being. Hence, reputable financing organizations have provided the means necessary for owners with initiative, enterprise and foresight to produce this volume of business and they are entitled to the appreciation of the public for their contribution to the nation's progress and wealth. A high sense of responsibility to the purchasers of their bonds must animate their distinction be-

tween sound enterprise and unsound speculation, and any who disregard this responsibility should fail to receive co-operation from the construction industry.

The financing agencies and the construction industry would do well to guard against depressions that could be caused by sudden timidity of the public to purchase bonds due to the appearance in its midst of completed building projects that obviously fail to protect the integrity of their investments.

Influencing of Building Fluctuations

Peaks and depressions of the construction business are dominated by the economic conditions existing in general business and are not subject to our control, but in some respects we can influence the degree of these fluctuations.

Asks Honest Attention to Labor Problems

First, in our relations with labor. Capital and labor are necessary to produce the nation's material wealth, and co-operation between the two, rather than antagonism and distrust, will produce more fruitful results. We may be very critical of labor's practices and demands, and in some respects correctly so, but bear in mind that improvement cannot be induced by an antagonistic attitude and the

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expressions of superficial and dogmatic opinions. Labor relations are among the most important phases of our business and yet are given probably the least intelligent and honest attention. A continued and intensive honest effort to induce labor to discontinue any wasteful practices and radical demands will be handsomely compensated.

This will require the expenditure of much time, application and energy because it is necessary to convince the other man that your program is devoid of pure selfishness and bears elements of justice and equity to him before he is prompted to provide the service and the conditions that will best serve your requirements. I do not believe that ideal relations can be achieved on this earth, but such vast improvement is possible as to warrant our most serious consideration.

Standardization Big Part of Stabilization

Standardization of materials is being sponsored by the Department of Commerce and other co-operative bodies. Much progress has already been made relative to reducing the tremendous variety of sizes of lumber. The tying up of capital in stocks of unusual sizes of various kinds of materials, occasionally specified but not essential to architectural nicety or structural soundness, is an economic waste and increases the general burden of cost.

It would be depressing if the choice of face brick, moulding of interior trim and other items susceptible of standardization were limited to few stock patterns, and such is not the intent, but much saving could be made by eliminating special dies and equipment and investment in unusual stock on hand, where adequate variety is already available in standard form.

The building industry has gone through a remarkable transition in improvement in utility of designs. The conception of the designer, the ingenuity of the builder and the contribution of new features by sub-contractors, material men

and manufacturers have resulted in improved types and character of structures. Continued improvement in the art will be one of the inducements to investment and a safeguard against depression. Standardization should be a helpful factor in this improvement.

Seasonal Work Greatest Sphere

Probably the greatest sphere of influence that the building industry can directly exert affecting peaks and depressions is in connection with seasonal work.

One of the important problems that has received considerable application during the past few years is winter construction. The increased volume of building contracts now being let involving winter construction indicates that the publicity given to the practicability of winter construction is producing effective results.

The theory that winter construction in the building industry must necessarily involve slow progress and prohibitive cost is being fast dissipated. The facts are that winter construction is not only practical but desirable, since it meets the owner's requirements of work of good quality executed expeditiously and economically. It reduces the high pressure of summer months and gives relief to the low pressure of winter months with direct benefit to owner, builder and labor, and consequent advantages to finance, manufacture and transportation.

It has become almost trite to argue the case, but constant reiteration of the facts to the general public is necessary for full conviction on its part to develop fully the effective results thus far accomplished.

It will be excusable, therefore, to briefly enumerate the elements which justify winter construction.

Quality can be dismissed without discussion for there is nothing else needed than competence to produce a quality of work in winter equal to that obtained in summer.

(Continued on Page 813)

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Advance Construction News

CONTEMPLATED CONSTRUCTION: ARCHITECTS AND OWNERS: LAST DAYS FOR FILING BIDS: CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED: ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Comfort Station, Cliveden Park, Johnson and Musgrave streets, Philadelphia. City architect, John H. Molitor, 1315 Walnut Street, Philadelphia. Owners, Department of Public Works, Bureau of City Property, 216 City Hall. General construction. Certified check 5 per cent. of bid. Owners taking bids due December 29th at noon.

Power Plant (alts.), 616 City Hall, Philadelphia. Architect, private plans. Owners, Department of Public Safety, City Hall. Furnish all labor and material for installation of ventilation ducts in power plants. Certified check 5 per cent. of bid. Owners taking bids due January 4th at noon.

Residences (2) (alts. and add.) to Apartments, 118-120 North Fiftieth street, Philadelphia. Architect, Louis J. Tunis, 1423 Locust street, Philadelphia. Owner, Maurice Blackman, 642 North Eighth street, Philadelphia. Brick, stucco, 3 stories, 40x50-foot addition, general alterations to present building, will contain 24 apartments, steam heat, electric light, tile, metal lath, red tile and slag roof, hardwood floors, plumbing, terra cotta. Plans completed. Owner ready for general bids.

Buildings, Filmore, Shelmire, Hartel and Hasbrook streets, Philadelphia. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Jeanes Hospital, care of architect. Stone, brick, cut stone, steel (plumbing, heating and electric separate), variegated slate roof, linoleum and cement floors, hollow tile, metal lath, tile and marble work, hollow metal sash and doors, bond, ornamental iron work, limestone, flagstone, precast stone, area gratings, metal partitions, Duraflex and Marbloid floors. Hospital, 2½ stories, 86x54 feet, 82x43 feet, 43x52 feet. Administration building, 2½ stories, 100x53 feet. Nurses' home, 2½ stories, 147x38 feet. Architects taking bids due December 30th.

Improvement of Whitehall Commons, Jackson and Filmore streets, Twenty-third Ward. **Improvement of Wilson Park**, Twenty-fourth, Fifteenth, Jackson and Wolf streets, Thirty-sixth Ward. Construction of concrete walks and benches (park). Owners, Department of Public Works, Bureau of City Property, 216 City Hall. Certified check 5 per cent. of bid. Plans may be obtained from City Hall. Owners taking bids due December 29th at noon. Inquire Room 117.

Office Building, Fifteenth and Chancellor streets, Philadelphia. Architect, not yet selected. Owners, Edelstein & Bernstein, 215 South Fifteenth street, Philadelphia. Brick, cut stone, limestone, steel, 15 stories and basement, 40x80 feet. Work contemplated.

Banking Building, Northeast Corner Sixteenth and Walnut streets, Philadelphia. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owner, Samuel Clements, Packard Building, Philadelphia. Lessees, Brown Brothers Co., 330 Chestnut street, Philadelphia. Brick, steel, limestone, granite, 4 stories and basement. Plans in progress.

Gymnasium, adjoining Stadium, University Grounds, Philadelphia. Architects, Day & Klauder, Franklin Bank Building, Philadelphia. Owners, University of Pennsylvania, Thirty-fourth and Spruce streets, Philadelphia. Brick, fireproof, will contain swimming pool, basketball stadium, track, etc. Sketches being prepared.

Synagogue and School Building, Twelfth and Greene Lane, Philadelphia. Architect, E. L. Rothschild, Bankers Trust Building, Philadelphia. Owners, Hebrew Orphans' Home, on premises. Stone, steel, brick, 3 and 1 stories. Plans in progress.

Hospital, Nineteenth and Spring Garden streets, Philadelphia. Architects, Lackey & Hettle, 5 Hudson avenue, Camden, N. J. Owners, Osteopathic Hospital, on premises. Stone, brick, steel, 3 stories. Plans in progress.

Building, Sixty-seventh and Elmwood avenue, Philadelphia. Architects, Harris & Richard, Drexel Building, Philadelphia. Owners, General Electric Co., Sixty-seventh and Elmwood avenue, Philadelphia. Reinforced concrete, steel, 6 stories and basement. Plans in progress.

Community Center and School Building, Fifty-eighth, North of Walnut street, Philadelphia. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owners, Congregation of Beth-El, on premises. Granite and brick, 3 stories and basement, 40x96 feet, slate roof, maple floors, plumbing, steam heat, oil burning, electric light, metal lath, tile work, rolled steel sash, kalamein doors, projection room. Plans in progress.

Private School, Eighth and Spruce streets, Philadelphia. Architect, William L. Charr,

Victory Building, Philadelphia. Owner, care of architect. Stone, brick, steel, 4 stories, steam heat, electric light, metal lath, tile and marble work, hollow metal skylights, bond, ornamental iron work, terra cotta, marble and maple floors. Plans in progress.

Residence, 1920 Panama street, Philadelphia. Architect, Alexander M. Adams, 1012 Walnut street, Philadelphia. Owner, W. B. Stinson, care of architect. Brick, stucco, 3 stories, 25x32 feet. Revised plans in progress.

Office, Sixteenth and Indiana avenue, Philadelphia. Architect, G. B. Roth, 1629 Chestnut street, Philadelphia. Owners, Lampert Coal Co., on premises. Brick, stucco, 1 story, 20x40 feet, slag roof, wood floors, electric light. Owners will build when project matures.

Garage, Frankford avenue near Thompson street, Philadelphia. Architect, A. Mueller, 901 Walnut street, Philadelphia. Owner, name withheld. Brick, 1 story, 60x40x158 feet, irregular, slag roof, wood trusses, cement floors, steam heat, electric light, rolled steel sash, hollow metal skylights. Plans completed. Architect ready for sub-bids.

Bank Building, Southwest Corner Broad and Nedro avenue, Philadelphia. Architects, Simon, Brittain & English, Inc., 929 Chestnut street, Philadelphia. Owners, Fern Rock Trust Co., S. B. Davis, S. E. Cor. Broad and Nedro avenue. Brick, stone, 2 stories, 28x48 feet. Plans in progress. Architect will be ready for bids in one month.

Garage, 224-26 East Shedaker street, Germantown, Pa. Architect, A. B. Lacey, 1012 Walnut street, Philadelphia. Owner, name withheld. Brick, limestone, steel, reinforced concrete, 1 story and basement, 43x150 feet, slag roof, cement floors, hot water heat, electric light, painting and glazing, ornamental iron work. Architect taking bids due as soon as possible.

Interlocking Tower, Overbrook Station, Overbrook, Pa. Division engineer, Mr. Littman, Thirty-second and Powelton avenue, Philadelphia. Owners, Pennsylvania Railroad, Broad Street Station, Philadelphia. Owners taking bids due December 26th.

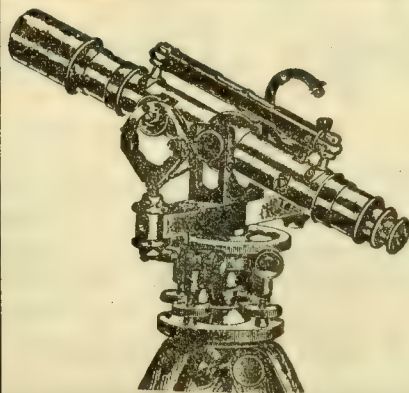
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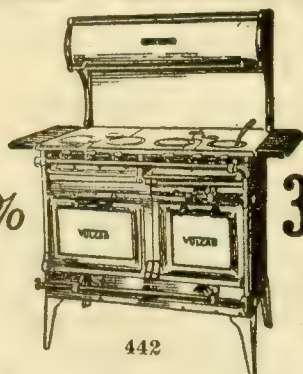
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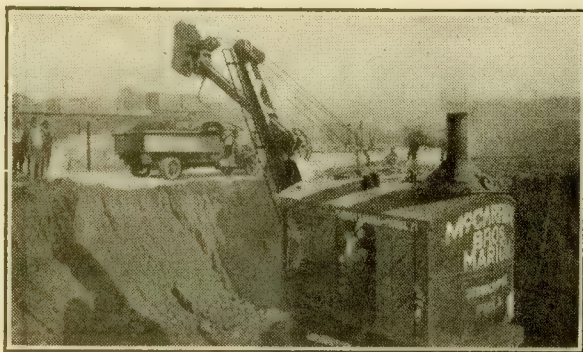
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Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Water, 216 City Hall. Owners taking bids due December 29th at noon. Laying 36-inch suction connection at Oak Lane Reservoir. Sand-cleaning machine or machines. Certified check 5 per cent. of amount of bid. Inquire Room 788.

South Wing, Administration Building (alts.), Forty-ninth and Market streets. Architect, Arthur Brockie, 254 South Fifteenth street, Philadelphia. Owners, Pennsylvania Hospital, Forty-ninth and Market streets, Philadelphia. Plumbing, tile and marble work, terrazzo work, cement work, hardware, carpentry and mill work, painting, plastering, membrane waterproofing. Architect taking bids due December 28th.

Residence, Northwest Corner Sixty-sixth avenue and Thirteenth street, Philadelphia, \$10,000. Architects, Neubauer & Supowitz, 929 Chestnut street, Philadelphia. Owner, Joseph Cutler, 1811 North Seventh street, Philadelphia. Brick, 3 stories, 22 feet 6 inches x 60 feet 9 inches, hardwood and pine floors, hot water heat, electric light, tile work. Permit granted.

Residences (2), South side Gibson avenue, East of Eighty-second street, \$6,000 each. Architect, private plans. Owner, John Rae, 7834 Botanic avenue, Philadelphia. Brick, 2 stories, 16x60 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residences (2), North side Lauriston street, East of Salignac street, \$4,000 each. Architect, private plans. Owner, Walter Smith, 5273 Ridge avenue, Philadelphia. Brick, 2 stories, 15x28 feet, 10x10 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Residences (32), South side Ashdale street, Front to Mascher, Philadelphia, \$3,500 each. Architect, private plans. Owner, Lewis Roberts, 225 Kenmore road, Philadelphia. Brick, 2 stories, 16x36 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Store and Residence (alts.), 2166 North Camac street, Philadelphia, \$2,500. Architect, private plans. Owners, Boyajian & Gutchgian, 5639 West Alton avenue, Philadelphia. General alterations. Permit granted.

Grading, Philadelphia. Owners, Department of Public Works, Bureau of Highways, Philadelphia. Low bidders: Schedule A, Arthur street and others, Frank Mark, 2820 North Twenty-first street, Philadelphia, \$9,965.94. Brighton street and others, Curtis Brothers, State road, Philadelphia, \$35,111.18. Emer-

son street and Hoffnagle street, Morrissey Brothers, 4345 North Seventh street, Philadelphia, \$4,385.62. Hunting Park avenue, "H" to "J" street, Dewees Brothers, Fifth and Fisher's avenue, Philadelphia, \$5,256.38. Queen Lane, Boynton to Rubican, James F. Nolen, 64 East Church Lane, Germantown, \$629.

Residences (67), Hurley, Wingohocking and Courtland streets, Philadelphia, \$339,000. Architect, private plans. Owner, John T. Clasby, 4449 North Ninth street, Philadelphia. Brick, 2 stories, (4) 16x39 feet, (63) 14x26 feet, 11x8 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residences (40), Avondale, Windsor and Belmar streets, Philadelphia, \$183,000. Architect, private plans. Owner, Joseph Silver, 5116 North Camac street, Philadelphia. Brick, 2 stories, (2) 16x35 feet, (38) 16x28 feet, 12x7 feet, slag roof, hardwood and pine floors, hot water heat. Permit granted.

Service Station, South side Paschall avenue, East of Sixty-third street, \$40,000. Architect, private plans. Owner, Hugo Rettstadt, 6101 Elmwood avenue, Philadelphia. Brick, 1 story, 75x86 feet, slag roof, cement floors, electric light. Permit granted.

Residences (4), East side Fiftieth street, North of Overbrook avenue, \$11,000 each. Architect, private plans. Owner, Thomas F. Reilly, Fiftieth and City Line, Philadelphia. Stone, 3 stories, 27x40 feet, 18x8 feet, slate roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Apartment Building (add. and alts.), 4714 Hazel avenue, Philadelphia, \$6,000. Architect, private plans. Owner, Harry Greenblatt, 4901 North Ninth street, Philadelphia. Brick, 2 stories add., 13x16 feet, general alterations. Permit granted.

Garage and Service Building, West side Fortieth street, North of Cambridge. **Residences (2),** West side Fortieth, North of Cambridge, Philadelphia, \$64,000 total. Owners, Babis & Bender Const. Co., 201 Shubert Building, Philadelphia. Brick, 2 stories, 16x30 feet, 13x30 feet, hot water heating, electric lighting, hardwood, pine and cement floors, garage, 2 stories, 80x109 feet. Permit granted.

Residences (2), East side Stenton avenue, North of Gorgas Lane, \$7,500 each. Architect, private plans. Owners, Crispo & Vendetti, 1330 East Washington lane, Philadelphia. Brick and block, 2 stories, 19x44 feet, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residences (2), North side Seville street, East of Ridge avenue, \$5,000 each. Architect, private plans. Owner, Charles Schock, 5527 Ridge avenue, Philadelphia. Brick, 2

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stories, 14 feet 9 inches x 27 feet, 10 feet 4 inches x 10 feet, slag roof, hot water heat, electric light. Permit granted.

Residences (2), North side Reed street, East of Second street, Philadelphia, \$5,000 each. Architect, private plans. Owner, Marcus Mazer, 2213 Green street, Philadelphia. Brick, 2 stories, 16x23 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Store and Residence (add.), 525 Oregon avenue, Philadelphia, \$3,000. Architect, private plans. Owner, J. Gort, 525 Oregon avenue, Philadelphia. Brick, 2 stories add., 14x11 feet. Permit granted.

Machine Shop, 3419 Melvale street, Philadelphia, \$10,000. Architect, private plans. Owner, Howard F. Growe, 3419 Melvale street, Philadelphia. Brick, 2 stories, 100x116 feet, electric work, slag roof, cement work. Permit granted.

Residences (26), Sixty-fifth and Belmar terrace, Philadelphia, \$132,000. Architect, private plans. Owners, Rader, Babis & Bender, 201 Shubert Building, Philadelphia. Brick, 2 stories, (25) 15x30 feet, 11x12 feet, (1) 16x43 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residences (31), Vista and Edmund streets, Philadelphia, \$4,000 each. Architect, private plans. Owner, Samuel Eisenberg, 5446 Arlington street, Philadelphia. Brick, 2 stories, (1) 15x37 feet, (30) 15x28 feet, 13x8 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Apartment Buildings (3), East side Fiftieth street, South of City Line, Philadelphia, \$105,000. Architect, J. F. Lowery, Land Title Building, Philadelphia. Owner, Thomas F. Reilly, Fiftieth and City Line, Philadelphia. Brick, 4 stories, 47 feet 6 inches x 96 feet, slag roof, hardwood and pine floors, steam heat, electric light, tile work. Permit granted.

Residences (4), Seventy-eighth and Lyons avenue, Philadelphia, \$30,000 total. Architect, private plans. Owner, Bernardo Manganeill, 6124 Wheeler street, Philadelphia. Brick, 2-stories, (2) 16x35 feet, 12x12 feet, (2) 16x49 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Store and Apartment (alts.), Northeast Corner Wynnefield and Bryn Mawr avenues, Philadelphia, \$6,000. Architect, J. F. Lowery, Land Title Building, Philadelphia. Owner, Thomas Reilly, Fiftieth and City Line, Philadelphia. General alterations. Permit granted.

Store and Residence (add. and alts.), Southeast Corner Nineteenth and Federal streets, \$3,500. Architect, private plans. Owners, Wolf & Sheffit, 3819 Poplar street, Philadelphia. Brick, 3 stories add., 15x20 feet, general alterations. Permit granted.

Residences, South side Avalon street, East of Academy road, \$4,000 each. Architect, private plans. Owner, Frank Dietrich, 1823 East Hilton street, Philadelphia. Frame, 2 stories, 26x24 feet, pine floors, hot water heat, electric light. Permit granted.

Philadelphia. Brick, steel, 2 stories and basement, 32x27 feet (electric, plumbing, heating, elevators reserved), slag roof, maple and pine floors, painting and glazing, metal lath, galvanized iron skylights, rolled steel doors, salt glazed coping, ornamental iron work. Contract awarded W. G. Uhler & Sons, Twenty-fifth and Snyder avenue, Philadelphia.

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Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Dairy Building (alts.), 1523 North Twenty-sixth street, Philadelphia, \$3,000. Architect, private plans. Owners, Supplee-Wills-Jones Co., on premises. General alterations. Contract awarded to George Kessler Cont. Co., 1733 North Marvine street.

Bank, 1522 Locust street, Philadelphia. Architect, David Bassett, 1520 Locust street, Philadelphia. Owner, name withheld. Brick, cut stone, travertine, steel, 3 stories and basement, 120x24 feet, slag roof, cement floors, hollow tile, plumbing, steel pipe, vacuum steam heat, metal lath, marble and terrazzo work, solid metal sash, ornamental iron work, mackite partitions. Contract awarded F. G. Stewart, 1520 Locust street, Philadelphia.

School, Seventy-second and Woodland avenue, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Clements Roman Catholic Church, care of Rev. F. P. Dougherty, 7104 Woodland avenue, Philadelphia. Brick, cut stone, stone, steel, 3 stories and basement, 144x47 feet, wing 107x50 feet, slate and slag roof, cement and maple floors, roof ventilators, waterproofing (integral), ornamental iron work, bond, kalamein and hollow metal doors, rolled steel sash, tile and marble work, metal lath, granite, limestone, metal toilet partitions, area gratings. Contract awarded M. L. Conneen & Son, 1813 South Fifty-fourth street, Philadelphia.

Warehouse, 1627 East Passyunk avenue, Philadelphia. Architects, Neubauer & Supowitz, 929 Chestnut street, Philadelphia. Owner, Joseph Reinhart, 1629 Passyunk avenue,

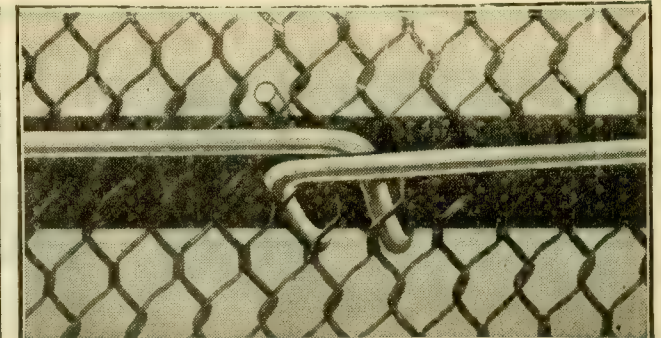
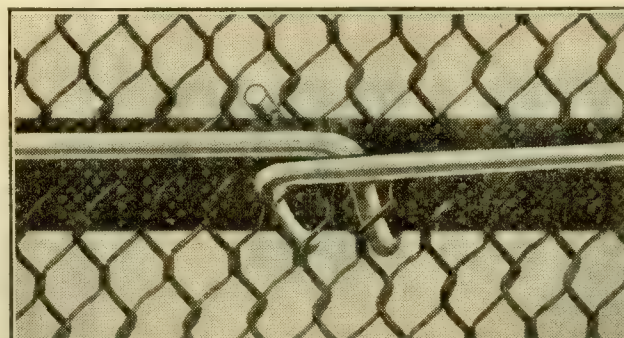
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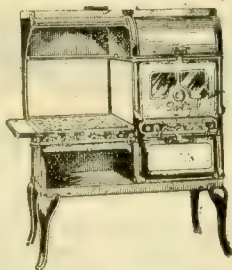
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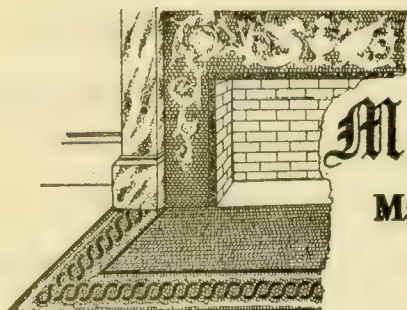


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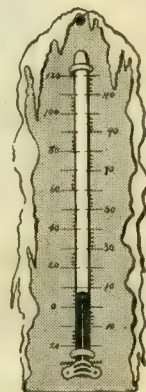
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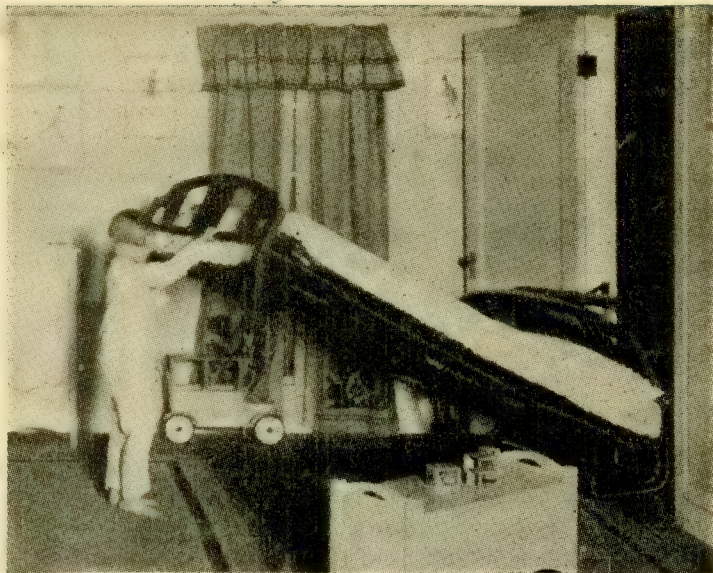
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Apartment, 1441 South Broad street. Architect, Sol. Kaplan, 10 South Eighteenth street, Philadelphia. Owner, Dr. M. Ginsburg, on premises. Stone, masonry, concrete and cement work, brick work, iron work, slag roofing, oak, pine and cement floors, rubber tile floors, marble and tile work, composition floors, painting and glazing, electric wiring, plumbing, hot water heat, new garage, 1 story, 18x10 feet, residence add., 2 stories, 22x16 feet. Contract awarded Belinsky Brothers, 2630 South Ninth street, Philadelphia.

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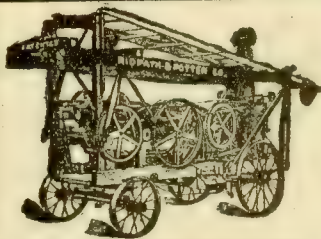
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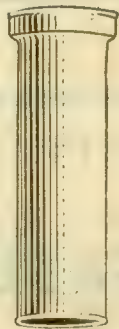
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Store and Apartment Buildings (3), Fifth street, below Tabor road, Philadelphia. Architect, private plans. Owner, Daniel B. McKimmie, Fourth and Market streets, Philadelphia. Brick, 3 stories, 16x52 feet, galvanized iron work, hot water heat, electric light, slag roof, hardwood and pine floors, tile work. Contract awarded Frank H. Fitt Co., 5753 North Fifth street, Philadelphia.

Store (add.), 5211 Market street, Philadelphia, \$5,000. Architect, private plans. Owner, Frank J. Loughran, 6337 Woodland avenue, Philadelphia. Brick, 2 stories, 16x72 feet, carpentry and mill work, painting and glazing, electric work. Contract awarded Samuel A. Rogers, 5312 Thompson street, Philadelphia.

Residence (add. and alts.), 5630 Sprague street, Philadelphia, \$2,000. Architect, private plans. Owner, Anna T. Watt, 261 High street, Philadelphia. Brick, 2 stories add., 10x10 feet, 6x8 feet, general alterations. Contract awarded to L. E. Alexander, 5336 Newhall street, Philadelphia.

Machine Shop (alts.), Southwest Corner Mascher and Somerset streets, \$8,000. Architect, private plans. Owners, E. F. Houghton Co., Third and Somerset streets, Philadelphia. Tank bracing. Contract awarded to Farrell-Roth Const. Co., 125 South Twenty-first street.

Coal Storage Building, West side Forty-ninth street, South of Merion avenue, \$6,600. Architect, private plans. Owners, Chalfont & Scott, Forty-ninth and Merion avenue, Philadelphia. Contract awarded to P. Hainbach Cont. Co., 1261 North Twenty-sixth street.

Store and Residence (add. and alts.), 2729 Germantown avenue, \$4,500. Architect, private plans. Owner, Harry Shay, 863 North Fifth street, Philadelphia. Brick, 1 story add., 14 feet 7 inches x 9 feet, general alterations. Contract awarded to I. Manin, 5226 Berks street, Philadelphia.

Residence (add.), 5840 Overbrook avenue, Philadelphia, \$6,000. Owner, L. C. Claffin, on premises. Brick, 1 story add., 32x14 feet. Contract awarded to M. W. Young, 2037 North Sixty-third street, Philadelphia.

Store and Residence (alts.), 2552 Columbia avenue, \$2,200. Architect, private plans. Owner, W. Cohen, on premises. General alterations. Contract awarded to N. Altorelli, 1437 South Eighth street, Philadelphia.

Office and Store (alts.), 319 South Juniper street, Philadelphia, \$3,000. Architect, private plans. Owner, William Mentzinger, 260 South Fifteenth street, Philadelphia. General alterations. Contract awarded to James A. Milburn, Oxford, Pa.

Garage, 645 North Forty-fourth street, Philadelphia, \$2,600. Architect, private plans. Owner, M. Hill, 645 North Forty-fourth street, Philadelphia. Brick, 1 story, 51x16

feet, slag roof, cement floors, electric work. Contract awarded to L. Rosengarten, Otis Building, Philadelphia.

Convent (fire repairs), 47-49-51 West Logan street, Philadelphia, \$20,000. Architect, private plans. Owner, Rev. Jeremiah D. Nevin, 41 West Logan street, Philadelphia. Brick, 3 stories add., 13x9 feet, general fire repairs. Contract awarded to D. W. O'Dea, 420 Duncannon street, Philadelphia.

Residence, South side Sedgwick street, West of Wayne avenue, \$16,000. Architect, private plans. Owner, William B. Thomas, 30 Harvey street, Philadelphia. Block, 3 stories, 39x34 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded to Bencker Realty Co., 6926 Market street, Philadelphia.

Residence and Store (add.), Northwest Corner Randolph and Girard avenue, \$6,500. Architect, private plans. Owner, Alexander Kuzman, on premises. Brick, 3 stories, 15x24 feet. Contract awarded to Albert Schleyer, 907 East Church lane.

Office (add.), North side Allegheny avenue, East of Kensington avenue, \$5,000. Architect, private plans. Owners, Allegheny Realty Co., on premises. Brick, 1 story add., 32x36 feet. Contract awarded to H. E. Baton, 1713 Sansom street, Philadelphia.

Office and Storage (add.), 1703 Ranstead street, Philadelphia, \$5,000. Architect, private plans. Owner, Charles Goldman, 1702 Walnut street, Philadelphia. Brick, 1 story add., 17x60 feet. Contract awarded to S. H. Levin, Elrae Building, Philadelphia.

Store and Residence (alts.), 1812 Columbia avenue, Philadelphia, \$3,500. Architect, private plans. Owner, Joseph Braverman, Southeast Corner Sixth and Parish streets, Philadelphia. General alterations. Contract awarded to H. M. Shandles, 617 Pine street, Philadelphia.

Store and Residence (add. and alts.), Southeast Corner Fifth and Watkins streets, \$3,500. Architect, private plans. Owner, M. Padolsky, 2216 South Sixty-third street, Philadelphia. Brick, 2 stories add., 16x30 feet, general alterations. Contract awarded to L. Solgonick, 1707 South Sixth street, Philadelphia.

Pennsylvania Construction News

Storehouse, Ardmore, Pa. Owners, County Gas & Electric Co., Fox Building, Philadelphia. Brick, frame, 4 stories, 40x100 feet, built-up roof, pine floors, steam piping, electric light. United Gas Improvement Cont. Co., Broad and Arch streets, Philadelphia, taking preliminary sub-bids.

Field Office and Garage, Garden Nurseries, Narberth, Pa. Architects, Stuckert & Co., Crozer Building, Philadelphia. Owner, A. E. Wohler, Narberth, Pa. Concrete block and stucco, 1 story, slag roof, cement floors, electric light, hardwood sliding doors. Architects taking bids due December 28th.

Residence Development, Tunbridge road and College avenue, Haverford. Architects, MacKenzie & Wiley, Bankers Trust Building, Philadelphia. Owner, Frank H. Mahon, Ardmore, Pa. Stone, hollow tile, stucco, brick, frame, 2½ stories, various sizes, slag and shingle roof, hardwood floors, hot water heat,

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electric light, tile work. Plans in progress. Owner will build.

Residence and Garage, Merion, Pa. Architect, Frank V. Nickels, 15 South Twenty-first street, Philadelphia. Owner, James MacMackin, Merion, Pa. Concrete block, stucco, 3 stories and basement, 27 feet 6 inches x 52 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans about completed. Owner will build.

Residence (alts. and add.), Somerton, Pa. Architects, Mills & Van Kirk, Harrison Building, Philadelphia. Owner, Joseph Karr, on premises. Stone, stucco, 2½ stories and basement, 12x21 feet, shingle roof, oak and pine floors, linoleum floors, hot water heat, electric light, Deleo lighting system. Architects taking bids due December 28th.

Club House, Pottstown, Pa. Architect, Carl Berger, 1512 Walnut street, Philadelphia. Owners, B. P. O. E., Pottstown, Pa. Brick, 3 stories. Preliminary plans in progress.

Club House and Golf Course, etc., Willow Grove, Pa. Owners, Huntingdon Valley Country Club, Noble, Pa. Swimming pool, tennis courts, squash courts, caddy house, etc. Work contemplated.

Consolidated School, Oberlin, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owners, Swatara Township School Board, William Horner, President, Oberlin, Pa. Brick, steel, 2 stories. Preliminary plans in progress.

Residence, Halifax, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owner, W. T. Willets, Halifax, Pa. Brick. Preliminary plans in progress.

School, Littlestown, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, St. Aloysius' Roman Catholic Church, Rev. E. O'Flynn, Littlestown, Pa. Brick, steel, 2 stories, 70x120 feet, built-up roof, mastic floors, hollow tile, steam heat, electric light, metal lath. Revised plans in progress.

Office Building (alts.), Front and South avenue, Media, Pa. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, Phil Green, 4018 Girard avenue, Philadelphia. Cast stone, marble front, 4 stories, 50x70 feet, rubber tile, pine and composition floors, 1 elevator, steam heat, oil burning equipment, electric light. Plans in progress. Ready for bids in a week.

Bank Building (alts.), Harrisburg, Pa. Architect, Thomas Bruce Boyd, 286 Fifth avenue, New York. Owners, Dauphin Deposit & Trust Co., 213 Market street, Harrisburg, Pa. Brick, 3 stories, general alterations. Plans in progress. Will be ready for bids in about 30 days.

Home and Bank Building, Sixth and Maclay streets, Harrisburg, Pa. Architect, C. Harry Kain, 31 North Second street, Harrisburg, Pa. Owners, Brotherhood's Relief and Compensation Fund, Inc., Sixth and Maclay streets, Harrisburg, Pa. Brick work, roofing, granolithic work, plastering, painting, electrical work, fixtures and equipment, emergency lighting system, mill work, kalamein doors, skylights, ventilators, smoke stack, incinerator, acoustics, bronze work, electric ranges, bathroom cabinets, window shades, flooring. Revised plans and specifications ready for bids. Deposit of \$50.00 for sub-contractors. Refund, \$35.00. Deposit of \$100.00 for general contractors, refund \$75.00.

Residence Development, City Line and Havertown roads, Lower Merion Township, Pa.

Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, McWilliams & Maloney, 539 South Fifty-second street, Philadelphia. Brick, frame and clapboard, stone, hollow tile and stucco, various types and sizes, 2½ stories, tile, slate and shingle roof, hardwood floors, vapor heat, electric light, tile and marble work. Site of 130 acres being cleared and graded. Plans in progress.

Store (alts. and add.), Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, M. T. Garvin, 31 East King street, Lancaster, Pa. Brick, steel, 7 stories, 19x245 feet, 60x40 feet, built-up roof, maple floors, hollow tile, (3) elevators, damp-proofing, terra cotta, ornamental iron, iron stairs, fire doors, rolled steel sash, marble work, metal lath, steam heat, electric light. Plans in progress.

Publishing House, Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owners, Lancaster Intelligence, care of architect. Brick, steel, 4 stories and basement, 136x36 feet, composition roof, maple floors, hollow tile, elevators, roof ventilators, terra cotta, ornamental iron, fire doors, steel skylights, steel sash, tile and marble, metal lath, electric light, vapor heat. Plans in progress.

Seminary Building, Cornwells, Pa. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, Holy Ghost Apostolic Seminary, Rev. J. J. Callahan, Cornwells, Pa. Owners will build in spring, 1926.

Store and Apartment Building, York road above West avenue, Jenkintown, Pa. Architect, J. H. Bothwell, Ambler, Pa. Owner, Dr. E. T. Quinn, West and Cedar avenues, Jenkintown, Pa. Brick, reinforced concrete, cut stone and steel, 3 stories and basement, 77x79 feet, Hoffman controlled heat, electric light, tile and marble work, metal lath, oak and pine floors, tin roof, plumbing, roof ventilators, shoring, damp-proofing, ornamental iron work, bond, tin-lined and hollow metal doors, hollow metal sash, galvanized iron skylights, sidewalk elevators, incinerator, bronze work, bluestone, area gratings, bronze work. Owner taking bids due December 30th.

Factory, Shillington, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa.

Owners, Fedden Brothers, 4283 Park avenue, New York City. Fireproof, saw-tooth construction, 1 story and basement, 95x160 feet, slag roof, hollow tile, electric light, metal lath, rolled steel sash, fire doors. Architect taking bids due December 29th.

Boiler House, Pottsville, Pa. Architect, C. B. Comstock, 110 West Fortieth street, New York City. Owners, Jacob Ulmer Packing Co., Pottsville, Pa. Reinforced concrete, brick, steel, 2 stories and basement, 50x48 feet, Barrett specification roof, cement floors, safety treads, rolled steel sash, anti-hydro water-

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proofing, steel partitions (steam piping, electric wiring, pumps separate contracts). Architect taking bids.

School, Manheim, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, Manheim School Board, care of architect. Brick, steel, 1 story, 200x100 feet, built-up roof, maple floors, hollow tile, safety treads, metal lath (heating, plumbing and electric separate). Architect ready for bids.

Garage and Service Station, South Prince streets, Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owners, I. Miller & Son, Lancaster, Pa. Brick and steel, 1 story, 90x120 feet, slag roof, concrete floors, steam heat, electric light, rolled steel sash. Owners will take sub-bids.

Residence, Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, Charles Green, Race and New streets, Lancaster, Pa. Brick, 2½ stories, 55x32 feet, slate roof, hardwood floors, hot water and oil burning heat, electric light, tile work, rolled steel sash. Owner will build.

Servants' Wing (add.), Bryn Mawr, Pa. Architect, Louis S. Adams, Radnor, Pa. Owner, Mrs. George F. Huff, Bryn Mawr, Pa. Stone, 1 story and basement, 20x25 feet, slate roof, cement, oak and pine floors, painting and glazing, ornamental iron work. Architect taking bids due December 26th.

Pennsylvania

Contracts Awarded

Gym and Science Building, Gettysburg, Pa. Architect, G. C. Baum, 1511 Arch street, Philadelphia. Owners, Gettysburg College, Rev. H. A. Hansen, Gettysburg, Pa. Brick, 2 stories and basement. Contract awarded A. L. Warner, Waynesboro, Pa.

Residences (3), Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, F. B. Trissler, 213 North Duke street, Lancaster, Pa. Cinder block, 2½ stories, 24x32 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to Herman Wohlsen, Woolworth Building, Lancaster.

New Jersey

Construction News

Dance Hall and Bath House, Lake Cotoxen, near Medford, N. J. Architect, R. R. Neely, 2301 Spruce street, Philadelphia. Owner, H. C. Boardman, 307-08 Shubert Building, Philadelphia. Frame, 1 story, 35x80 feet, 40x50 feet, shingle roof, hardwood floors, electric light. Owner taking bids due as soon as possible.

Club House, Airport Grounds, Atlantic City, N. J. Architects, Carrere & Hastings, 52 Vanderbilt avenue, New York. Owners, City of Atlantic City, H. T. Headley, Director, Department of Streets and Public Improvements, Atlantic City, N. J. General construction, heating, plumbing and electric work. Owners taking bids due January 7th at 3 P. M.

Schools (2), Maple Shade, N. J. Architect, Arnold H. Moses, Camden, N. J. Owners, Board of Education, Chester Township, Ma-

ple Shade, N. J. Brick, 2 stories. Plans in progress.

School, Aldan, N. J. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owners, School Board of Aldan, A. H. Renner, Aldan, N. J. Sketches in progress.

Rectory, Collingswood, N. J. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owners, St. John's Roman Catholic Church, Rev. J. J. O'Farrell, Collingswood. Stone, 2 stories, hollow tile and plastered attic, 32x35 feet, black slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans about completed. Architect ready for bids in one week.

Store and Apartment (alts. and add.), Oriental and Connecticut avenues, Atlantic City, N. J. Architect, R. C. Goldberg, 1626 Chestnut street, Philadelphia. Owner, name withheld. Brick, 4 stories, general alterations and additions. Plans in progress. Ready for bids in 3 weeks.

Maternity Unit, Trenton, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, Mercer Hospital, 446 Bellevue avenue, Trenton, N. J. Fireproof, 3 stories, 40x96 feet, asbestos built-up roof, concrete floors, hollow tile, elevators, cast stone, steam heat, electric light, metal lath, tile work, rolled steel sash. Architects will be ready for bids next week.

Stores and Apartment, Warren and Perry streets, Trenton, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owner, N. A. K. Bugbee, 206 East Hanover street, Trenton, N. J. Brick, 3 stories, 46x60 feet, slag roof, yellow pine floors, steam heat, electric light, tile work, plate glass. Owner will be ready for bids next week.

Alterations and Additions to Foundations and New Seventh and Eighth Floor Addition to Hotel, Tennessee and Boardwalk, Atlantic City, N. J. Architect, J. Vaughn Mathis, Guarantee Trust Building, Atlantic City, N. J. Owners, Hotel Knickerbocker, on premises. Brick, steel, seventh and eighth stories add., 224x43 feet, wing 93x60 feet, slag roof, composition and cement floors, elevators, painting, metal weather strip, architectural terra cotta, ornamental iron work, steam heat, electric light, metal lath, tile and marble work. Architect taking bids.

School (add.), Brooklawn, Camden County, N. J. Architects, Herbert O. and C. A. Ziegler, 1012 Walnut street, Philadelphia. Owners, Board of Education, R. K. George, Brooklawn, N. J. Brick, stone, 2 stories, 8 rooms (plumbing, heating and electric separate). Owners taking bids due January 4th, 8 P. M.

Store Building, Haddon avenue and Sycamore street, Camden, N. J. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owners, The Pep Auto Supply Co., 260 N. Broad street, Philadelphia. Brick and stucco, 1 story and basement, 50x30 feet, warm air heat, electric light, metal lath, slag and tile roof, cement and pine floors, painting and glazing, plumbing, metal ceilings, plate glass, window gratings. Owners taking bids.

Boardwalk, Cape May, N. J. Engineer, L. E. Miller, Cape May, N. J. Owners, City of Cape May, Washington and Franklin streets, Cape May, N. J. Lowest bidder: Kaufman Construction Co., Pennsylvania Building, Philadelphia.

Residence and Garage, Moorestown, N. J. Architects, Edwards & Hoffman, 315 South Fifteenth street, Philadelphia. Owner, name withheld. Brick, 3 stories, 32x48 feet, wing 22x40 feet, shingle roof, oak and pine floors, vapor heat, electric light, tile work. Plans in progress.

Wireless Station, Albany avenue, Atlantic City, N. J. Architect, H. A. Stoudt, Guarantee Trust Building, Atlantic City, N. J. Owner, H. T. Headley, Commissioner, City Hall, Atlantic City, N. J. Low bidders: Lam Building Co., 1001 Wood street, Philadelphia, \$7,687.

Residences (9), 17-33 Terrace avenue, Camden, N. J., \$36,000. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owners, John A. Hendrickson & Son, 30 North Thirty-sixth street, Camden, N. J. Brick and block, 2 stories, 18x32 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

New Jersey

Contracts Awarded

Building, Strand, North Carolina, Absecon and Caspian avenues, Atlantic City, N. J. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owners, News Publishing Co., Atlantic City, N. J. Brick, steel, 1 story and basement, 165x100 feet (electric work reserved), steam heat, slag roof, maple and cement floors, plumbing, rolled steel sash, hollow metal doors, bond, ornamental iron work, integral waterproofing. Contract awarded M. B. Markland Co., Atlantic City, N. J.

Bank, Moorestown, N. J. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Moorestown Trust Co., Mr. Coles, president, Moorestown, N. J. Brick, cut stone, steel, 1 story, basement and mezzanine, 85x42 feet, slag roof, cement, linoleum and oak floors, plumbing, roof ventilators, vapor heat, electric light, metal lath, tile, marble and terrazzo work, bond, ornamental iron work, metal lath, metal lockers, area gratings, ornamental bronze and ornamental plaster. Contract awarded R. C. Ballinger Co., 925 Walnut street, Philadelphia.

Store, Woodbury, N. J. Architect, private plans. Owner, F. W. Woolworth, Wilkes-Barre, Pa. Brick, 2 stories, 42x90 feet, steam heat, electric light, slag roof, cement floors, plate glass, metal bulks. Contract awarded Sam Zied, 530 Callowhill street, Philadelphia, who is taking sub-bids due as soon as possible at job, Broad and Center streets, Woodbury, N. J.

Apartment House, 1445-47 Bellevue avenue, Camden, N. J., \$65,000. Architects, Moffett & Ergood, 320 Market street, Camden, N. J. Owner, Benjamin Natal, 1250 Kaighn avenue, Camden, N. J. Brick, steel, 2 stories and basement, 40x109 feet, slag roof, oak and pine floors, steam heat, electric light, tile work, metal lath, ornamental iron work. Contract awarded to Harry Vansant, 550 Haddon avenue, Collingswood, N. J.

Barn (alts. to Residence), "D," Riverton, N. J. Architect, J. Fletcher Street, 1120 Locust street, Philadelphia. Owner, Charles S. Mears, Riverton, N. J. Contract awarded C. S. Moses, Edgewater Park, N. J.

Masonic Temple, Woodbury, N. J. Architects, The Ballinger Co., Twelfth and Chest-

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nut streets, Philadelphia. Owners, Florence Lodge, No. 87, F. and A. M., Woodbury, N. J. Brick, steel, 2 stories and basement, 45x110 feet, slag roof, cement and pine floors, painting, glazing, mill work, hardware, plastering. Contract awarded J. T. Allen, Woodbury, N. J.

American Legion Building, Collingswood, N. J. Architect, F. Herbert Radey, 717 Haddon avenue, Collingswood, N. J. Owners, American Legion, Collingswood, N. J. Block, 40x80 feet, Carey roof, maple floors, vapor vacuum heat, electric light, terrazzo work, safety treads. Contract awarded to F. C. Slacum, Westmont, N. J.

Residences (6), 1340-42-44-46-48-50 Sheridan street, Camden, N. J., \$25,200. Architect, private plans. Owner, Michael Ferranti, 1540 Mt. Ephraim avenue, Camden, N. J. Brick, 2 stories, 15x47 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Smith Brothers, 603 Park avenue, Collingswood, N. J.

Shop, 1016-18 Everett street, Camden, N. J., \$2,500. Architect, private plans. Owner, K. Brown, 1214 Mt. Ephraim avenue, Camden, N. J. Block, 1 story, 40x30 feet, slag roof, pine floors, electric work. Contract awarded to Ludwig Grabowski, 1482 Kenwood avenue, Camden, N. J.

Residences and Garages (2), 2835-37 Clinton street, Camden, N. J., \$13,000. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, Eli Mitchell, 241 South Twenty-seventh street, Camden, N. J. Brick, 2 stories, 16x47 feet, garages, 1 story, 18x16 feet and 9x16 feet, slag roof, hot water heat, electric light. Contract awarded to William Spencer, 354 Garden street, Camden, N. J.

Ice Manufacturing Plant, Twenty-third and Howell streets, Camden, N. J., \$8,000. Architect, private plans. Owners, Pavonia Ice & Coal Co., Twenty-third and Howell streets, Camden, N. J. Block, 1 story, 105 feet 9 inches x 38 feet 8 inches, slag roof, electric light. Contract awarded to George C. Prince, 212 North Thirty-eighth street, Camden, N. J.

Repair Shop, 1000-02 Langham avenue, Camden, N. J., \$2,100. Architect, private plans. Owners, Aranow Brothers, Camden, N. J. Block, 1 story, 19x30 feet, slag roof. Contract awarded to Victor Bezahler, 1027 Atlantic avenue, Camden.

Miscellaneous Construction News

Berkley Arms Co-operative Apartment House, Thirty-second street and Bay Shore avenue, Miami, Fla., \$3,000,000. Architects and engineers, Stuckert & Co., Crozer Building, Philadelphia, and Miami, Fla. Owners, Davenport & Rich Inv. Co., Miami, Fla. Steel, reinforced concrete, hollow tile, stone, stucco, ornamental tile, ornamental terra cotta, cast stone, 15 stories, 190x96 feet (150 apartments), Spanish tile roof, hardwood and rubber tile floors, electric elevators, freight elevator, electric dumb waiter, electric light, tile work, marble work, plumbing, gas and electric ranges, kitchen equipment, laundry equipment, garbage burners. Plans in progress.

Residences (2), Wilmington, Del. Architect, R. C. Tindall, 914 Orange street, Wilmington, Del. Owner, Angelo Julian, 412 Walnut street, Wilmington, Del. Brick, 2 stories, 20x22 feet, hardwood floors, hot water heat, electric light, tile work. Plans in progress. Owner will take sub-bids.

Residences (4), Northeast Corner Twenty-fifth and Lamott streets, Wilmington, Del., \$24,000. Architect, private plans. Owners, S. H. McCoy & Son, 2213 Washington street,

Wilmington, Del. Brick, 2 stories, 17x38 feet, composition roof, hot water heat, electric light. Permit granted.

Highway Work, Delaware. Owners, State Highway Department, Dover, Del. Lowest bidders on work opened December 16th, 1925.

Contract 53A—Bridge over Broadhill Creek. Kaufman Const. Co., Pennsylvania Building, Philadelphia. \$28,022.50.

Contract CS45 — Laurel-Sharptown, 7.93 miles. Field, Barker & Underwood, Commercial Trust Building, Philadelphia. Metal joint, \$231,699.50. Open joint, \$229,604.50.

Contract CS47—Milton-Waples Mill, 2.5 miles. Highway Eng. & Const. Co., Selbyville, Del. \$65,857.00. \$64,933.00.

Miscellaneous Contracts Awarded

Church (alts. and add.) to Building, Wilmington, Del., \$26,689. Architect, John A. McKibbin, Industrial Trust Building, Wilmington. Owners, Hurley-Powell Co., 716 Market street, Wilmington, Del. Steel, brick, 3 stories, 80x100 feet, tin roof, rift pine floors, shoring, waterproofing for stucco, metal and wood bulks, plate glass in copper, metal lath, tile work (plumbing, heating and electric reserved). Contract awarded to J. A. Bader & Co., Lackey Building, Wilmington.

Factory (add.), Andover avenue, Wilmington, Del., \$7,950. Architect, private plans. Owners, Wiltex Company, 10 East Twenty-second street, Wilmington, Del. Alleyway between two buildings, slag roof, 165x25 feet. Contract awarded to Smyth Const. Co., Delaware Trust Building, Wilmington.

Store and Residence (alts. and add.), 406 King street, Wilmington, Del., \$2,450. Architect, private plans. Owner, Mary E. Newlin, Wilmington, Del. Brick, 1 story add., 12x32 feet, general alterations, plate glass. Contract awarded to H. & H. Co., 200 North Adams street, Wilmington.

(Continued from Page 804)

As to progress, there are few days in the year when it is too severely cold to work. Through accustomed habit of thought people generally consider the winter weather delay is considerable, but investigation of numerous jobs indicates that in recent years in this climate delay due to severe cold and heavy snows has not amounted to a total of a week's time, and it would be a rare case to amount to more than 2 weeks. In thinking of weather delays in the winter, equal delays due to rain in the milder seasons are overlooked and it is my opinion there is little difference, if any, in amount of lost time between winter season and milder season work.

It is true that some divisions of the work cannot be completed as readily, such as removal of forms, which must remain a longer period, but on fair sized operations there are compensating advantages in that other branches of work are especially accelerated to minimize the inconvenience of the cold.

It will be conceded generally that the quality of work will be unimpaired and that work can proceed expeditiously, but it is urged that the cost is prohibitive;

first, because protecting the work in cold weather is very costly, and secondly, because the execution of the work itself is far more expensive.

Cost of Cold Proofing Is Small

The methods of heating materials and of preventing freezing of concrete while being poured and afterwards are well known and need not be discussed. Many people, including some contractors, lay considerable stress upon the increased

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cost these precautionary measures add to the items of concrete and masonry and fail to consider how small a ratio the cost of all precautionary winter measures bears to the total cost of the entire building. Also, they do not consider the other divisions of the building, in many of which are minor elements of economy, the cumulative total of which offsets any heating and protective work required for concrete, masonry, etc.

Where the structure is entirely reinforced concrete the heating and protection cost is the greatest. Recent articles on this subject indicate the cost to run from 1½ per cent to 4 per cent of the total building cost based on jobs totaling \$50,000 to \$250,000, the percentages decreasing with the size of the job.

On a number of large reinforced concrete jobs running from \$1,000,000 to \$3,000,000, the writer has found the cost has run less than 1 per cent, and in only one case as much as 3 per cent.

On steel frame buildings with concrete arches the ratio is considerably less, and on steel frame buildings with tile arches it is, of course, still less.

Due to May 1st leasing in this territory the demand for completion prior to May 1st of large structures, which generally require a year's erection period, necessitates temporary heat for the interior work. The cost of temporary heat for interior work, including heat for construction materials, rarely exceeds one-half of 1 per cent of the cost of the structure.

As to the unit costs of actually executing the physical work, in an article in the *American Contractor*, a Milwaukee builder referring to a reinforced concrete building, makes the significant statement that while 60 per cent of all the concrete was poured in weather from zero to 20 degrees below zero, the very expensive cost of fuel and protection was offset by an increase in production of 10 per cent to 30 per cent more production per day per man. However, it is doubtful that others experience such favorable production results.

Survey Showed Winter Costs Favorable

The writer made a careful survey of the unit costs of concrete work, form work and brickwork on 5 large jobs, which clearly showed that the average unit cost of winter operations are as favorable, if not more so, than summer work.

It may be granted then that the cost of actual construction is as favorable in winter as in milder seasons, but the prospective owner still asks, "Wherein are to be found the economies and advantages to offset the cost of temporary heat and protection?"

Let us consider the condition that would exist if through some arbitrary law building contracts for each year were required to be let on some specific date, say May 15th. All the bargaining with

the bankers for finances would occur at one short period, the architects would all be getting out plans and specifications at the same time, contractors would all prepare estimates at the same time, then the structural plants, the quarries, the material men, the manufacturers and the railroads would be given their entire year's volume of construction business at one time, and last but certainly not least, each job trade would be required on all operations about the same time and released for succeeding trades as the work progressed.

Contemplate the tremendous increases in overhead, equipment, manufacturing capacity and transportation such a requirement would entail.

Consider the economic waste in idle labor, equipment, manufacturing plants and railroads in the interim between the delivery of the peak load and the commencement of the next year's volume.

In addition to the tremendous economic loss the investing public would have to bear, what influence would such a tremendous volume of business to be let at one time have on the market price of money and of materials and of labor, and what kind of a buying market would prospective owners find themselves in.

To contemplate such a circumstance is pure fancy, as its existence could only mean complete chaos.

However, in a comparatively minor degree, but nevertheless a very important degree, such periods do occur with consequent unstable material and labor costs.

The application of any prudent methods helpful in reducing or averting such periods will be profitable to all concerned.

It is perfectly patent that the greater the utilization of the instruments of business the lower the units of cost, and this applies directly to contractors' overhead, organization, equipment and labor. Giving contractors and material men and manufacturers an opportunity to utilize their idle business facilities in the usually quieter season of winter and thereby reducing the excess demands of summer, reflects in more favorable prices and more certainty of delivery in sequence as required.

And again last but not least, a very material gain is experienced with the job labor.

Reduce Labor Turnover and Average Costs Fall

One of the reasons for high wages in the building industry is the tremendous turnover and the contention of various trades that workmen have only seasonal employment due to the nature of the industry. Furthermore, scarcity of employment in the winter months is a deterrent to potential mechanics who would readily enter the trades, were there an all season demand for their labor.

Lack of constant employment during the year's period means a higher wage

rate per hour and excessive demand for labor in summer means still higher labor costs during the period of excessive demand.

The practice of letting contracts during all periods of the year would give greater utilization to the business instrumentalities of the industry, and produce a more normal flow of the volume of business for materials, for manufacturers, for transportation, for labor and for finances.

The foregoing circumstances insure to an owner that the additional cost of temporary heating and protection of materials for winter construction will be more than absorbed by the favorable costs of the other elements and divisions of work involved.

It may be confidently asserted that winter construction is not only practical but desirable, with direct benefit to owner, builder and labor and with consequent advantages to the community at large.

GOVERNMENT'S ACTIVITIES IN BUILDING

Building and Housing Department of United States Bureau of Standards Gives Annual Report of Work in 1925

The annual report of the director of the Bureau of Standards, George K. Burgess, was submitted to Secretary of Commerce Hoover this week and in it is included a resume of the year's work in the Building and Housing Department, of which Mr. J. M. Gries is chief. The chief activities of this department or bureau during last year were investigations on building codes, standard state zoning enabling act, standard state mechanic's lien act, home financing, statistical work and seasonal construction. The report summarizes these activities as follows:

Building Code Committee

The building code committee published its report, Recommended Minimum Requirements for Masonry Wall Construction, and Minimum Live Loads Allowable for Use in Design of Buildings. These reports were completed after consultation with architects, engineers, fire chiefs, building inspectors, contractors, building material manufacturers, and with numerous organizations representing these groups. Incorporation of these recommendations by municipalities in their building codes will, it is believed, promote more economical construction, while at the same time insuring ample safety. They embody the results of research and canvassing of opinion which make them of direct value in the design of a large proportion of the buildings erected in the United States each year.

Standard State Zoning Enabling Act

The use in at least 15 states of the de-

partment's standard state zoning enabling act, drafted by its advisory committee on city planning and zoning, has been most effective in guiding the zoning movement along sound legal lines and has obviated the need for duplication of legal research by legislative bodies. The advisory committee prepared a pamphlet comparing the use, height, and area regulations of the zoning ordinances in 10 selected cities, and a booklet on the usefulness of city planning in facilitating traffic, encouraging more careful utilization of expenditures for street and public works construction, and developing home sites at low cost. Drafting of a standard state act permitting municipalities to create city plan commissions was commended.

Standard State Mechanics' Lien Act

Drafting of a standard state mechanics' lien act which would be considered fair by all interests, and be suitable for adoption by the states, was undertaken at the urgent request of several representative national organizations. A voluntary committee of nationally known men representing contractors, labor, material men, financing agencies, real estate, architects, engineers, and the National Conference of Commissioners on Uniform State Laws is actively at work.

Preliminary studies of conditions relating to home financing, including some field work, were made. They showed that it is common for some seekers to face most disadvantageous financing conditions, especially in borrowing more than 40 to 60 percent of the value of the home. Discounts, fees, bonuses, commissions, or other charges often add several hundred dollars to the cost of a moderately priced house and are apparently entirely out of line with the risks involved to lenders in this class of loans as a whole. The situation differs in communities according to the existing financial structure; state laws relating to mortgages, conveyances and titles, and to financial institutions, local industries, and other variable factors. A number of communities have worked out fairly satisfactory solutions, and it is believed that if the facts could be made available upon which to base sound endeavors, substantial efforts would be made to improve conditions by individuals, building material manufacturers, and others especially interested in maintaining a high volume of residential construction.

Statistical Work of the Division

Statistical work of the division included obtaining monthly prices for 24 building material items as paid by contractors in about 50 cities. These prices were issued regularly and republished by a number of trade papers. The figures so obtained are used in compiling index numbers of the price of materials for small frame and brick houses. Current statistics on building activities, building costs,

and production, consumption and stocks on hand of the principal building materials were printed monthly in the Survey of Current Business and in Commerce Reports with the co-operation of the division. Inquiries for such statistics have come to the division from all branches of the building and material industries, appraisal companies, railways, federal, state and local government agencies, libraries and educational institutions.

Seasonal Construction

Work on seasonal operation in the construction industries included publication of a 216 page volume, a pamphlet on weather and construction, and shorter articles. Leading national organizations of building material producers, contractors, and other interests were represented on the committee of the President's Conference on Unemployment that worked with this division on the subject. These bodies as well as local groups in many cities, have co-operated in efforts to distribute building activities more evenly throughout the year, to the end that hundreds of thousands of men in the building trades and material producing industries may have steadier employment, and that traffic demands on railroads and general business conditions may be better stabilized.

The division of Simplified Practice, of which Mr. R. M. Hudson is chief, reports that recommendations accepted by the following material producers have reduced the number of varieties as indicated:

Material	Reduced varieties
	From To
Vitrified paving brick	66 4
Metal lath	125 24
Penetration asphalt	88 9
Rough face brick	39 1
Smooth face brick	36 1
Common brick	44 1

It has been proposed to reduce the varieties of sand-lime brick, as to length, from 5 to 1; as to width from 4 to 1 and as to height from 5 to 1.

DEPARTMENT OF COMMERCE WASHINGTON

RECOMMENDED PRACTICE FOR ARRANGEMENT OF BUILDING CODES

The Department of Commerce Building Code Committee has just completed, and the Department has published, a report on Recommended Practice for Arrangement of Building Codes. The Committee was appointed by Secretary of Commerce Herbert Hoover early in 1921 to draw up more economical building regulations for use by states and cities, and the present report is the fifth of a series on building codes. The report presents a recommended outline for writing a building code, arranged by chapters, sections and subdivisions in the order in

which reference is necessary to code provisions when a building is planned, designed and erected. Each chapter and section heading is followed by a brief explanation indicating the material which should be treated in a building code under the heading. It is expected that the outline not only will be useful in drafting building codes but that it will be very helpful to those designing buildings in the examination of unfamiliar codes to make sure no important requirements have been overlooked. A list of the chapter headings follows:

- Chapter 1. Administration.
- Chapter 2. Definitions.
- Chapter 3. Classifications.
- Chapter 4. General Building Restrictions.
- Chapter 5. Zoning.
- Chapter 6. Light and Ventilation.
- Chapter 7. Means of Egress.
- Chapter 8. Materials, Loads and Stresses.
- Chapter 9. Construction.
- Chapter 10. Precautions During Building Operations.
- Chapter 11. Fire Protection.
- Chapter 12. Chimneys and Heating Appliances.
- Chapter 13. Special Occupancy Provisions.
- Chapter 14. Elevators.
- Chapter 15. Plumbing.
- Chapter 16. Heating.
- Chapter 17. Electrical.
- Chapter 18. Signs and Billboards.
- Chapter 19. Fire Extinguishing Equipment.

The report discusses briefly present diversity of building code arrangement and its influence on ease of administration and use. The need for greater uniformity of arrangement is explained and the method advocated by the Committee is contrasted with others.

The Appendix deals with the relation of code requirements to the police power and gives much advice on the legal scope of code requirements. Some observations are presented on the value of a building code to a community. The report describes at length the customary methods of writing or revising codes and emphasizes the need of employing experienced consultants in such work. Directions are given for stating code requirements in a manner readily intelligible to the building public, and a strong plea is made for reduction in the number and variety of permits necessary for each building. A number of publications and information sources available to those writing or revising codes are listed in the Appendix and the best methods or printing code requirements are described.

The key-note of the report throughout is greater convenience for those planning and erecting buildings where this is consistent with the purposes of building regulation.

The report contains 30 pages and can be purchased from the Superintendent of Documents, Washington, D. C., for 10 cents.

WIND PRESSURE ON MODEL OF BUILDING DETERMINED BY BUREAU OF STANDARDS

The average wind pressure on a tall building when the wind is blowing at 76 miles per hour (100 miles per hour, as shown by a Weather Bureau, Robinson type anemometer) is about 22 pounds per square foot, according to results obtained by the Bureau of Standards, Department of Commerce. The value which is commonly used is 30 pounds per square foot. This would correspond to a true wind speed of about 88.5 miles per hour (118 miles per hour indicated speed). Gusts of this speed have only been observed in a few cities, such as New York, and St. Paul.

These results were obtained by measuring the force of the wind on a model of a tall building mounted in the large outdoor wind tunnel of the Bureau. This tunnel is 10 feet in diameter, and in these experiments winds up to 70 miles per hour were produced, values for higher speeds being obtained by extrapolation. By means of small openings in the face and top of the model which were connected to a pressure gauge, the pressures produced by the wind at various parts of the structure were measured. These measurements were made at 70 places on the face of the model and at 49 places on the top, with the wind coming from 13 directions, varying from directly against one face to directly against the opposite face. Of course, in this work the wind always comes from one direction, and the model is turned on its mounting. The pressures obtained were then multiplied by the appropriated areas to give the total force on the model under the different conditions. The forces tending to overturn and to twist the model were also computed.

This work was undertaken because of the many inquiries received by the Bureau concerning wind pressures on buildings. The same experimental methods were employed which have been found so useful in the investigation of air forces on airplanes.

It has always been recognized that in the design of engineering structures such as tall buildings, bridges, chimneys, transmission lines, radio masts, etc., it is necessary to make provision for the stresses produced by the pressure of high winds. However, the values of the forces produced by the wind used by engineers in structural design are based on experiments made a great many years ago by methods which are now known to be subject to large errors, and on models which do not resemble actual structures. Many engineers have felt that these old values

are too large, and that many structures are made stronger than is necessary, and therefore cost more than they should.

The Bureau has determined the actual pressure corresponding to a given wind velocity. There still remains the problem of determining what wind velocity to use in designing a structure. Obviously, a higher velocity ought to be assumed in designing a building facing the lake front in Chicago than for a building in the downtown section of Washington.

THE DETERIORATION OF BROWNSTONE

Brownstone has been extensively used as an ornamental stone for building purposes, particularly in connection with residences and brick mercantile buildings, and even where its cost forbade its adoption as the chief structural material, it was quite commonly employed for window ledges, and for copings, gargoyles, and other ornamental parts. The impression seemed to be that it possessed not only great strength, but also a high resistive power against the action of the elements. The term "a brownstone front" was synonymous not only with elegance, but also with stability and permanence. Recent experience, however, has shown that the durability of the stone depends in large measure upon certain points that are often overlooked.

Brownstone is a fine-grained or fine-textured sandstone, and was formed many ages ago by the continued deposition of sand by rivers and streams. This deposition took place usually in the form of successive thin layers, one laid down upon another. Then, as time went on and geologic changes took place, the mass was subjected to great heat and pressure, which cemented these layers together. As a result, the stone is stratified and has a definite grain.

In the quarrying process little attention is paid to the direction of the grain of the stone, as a rule, and in many of the pieces that are cut or sawed for building purposes the grain therefore runs in a vertical direction. Such stone is quite satisfactory for interior work, but in cutting stone for exterior use, care should be taken to have the grain run horizontally. When cut and set in such a position, brownstone is practically impervious to water and resists the deteriorating effects of the weather.

It deteriorates quite rapidly, however, when set with the grain running vertically and exposed to the weather. Rain seeps in between the layers and tends to produce disintegration, and in winter this moisture freezes and the internal pressure thus created often splits the strata apart. In the summer, the moisture also tends to absorb any sulphur gases that may be presents in the air (from burning bituminous coal or high-sulphur-content oil),

and the sulphurous acid thus formed may attack the cementing substances between the grains. Continued action of this kind often results in eventual cleavage along the lines of stratification.

An example of such action and its results was recently made on a window ledge suspected of being imperfect. After being released by light hammer taps, a section one inch thick and running the entire length of the ledge was lifted out by hand. When the condition of the window ledge was discovered a complete inspection of all the exterior brownstone trimmings on the building was made and it was found that approximately sixty per cent of the stone had been cut and set with the grain running vertically. Every stone so placed showed signs of weather effects, but the stones that were properly set, and in which the strata ran horizontally, were sound and intact. A mason was engaged to make repairs, and while he was removing from the corner of the roof a gargoyle representing a large bird, a wing weighing nearly seventy-five pounds, detached itself when merely touched by the workman. It is fortunate that these stones were noted and removed before any sections had actually fallen to the sidewalk below. Serious consequences would have been very probable indeed, because the building is located in the congested section of a good-sized city.

Every owner of buildings constructed in whole or in part of such material should have the stone periodically inspected. Stones found to be set with the grain in a vertical plane and showing signs of weathering, should be at once trimmed off or otherwise repaired, and in bad cases they should be removed and replaced by others cut in the right way. Deterioration may be readily detected by lightly tapping with a hammer, because a stone in which cleavage has begun will emit a dead sound. Sometimes a dark line running lengthwise of the stone gives evidence to the eye that cleavage is taking place. Such a line was noted in the particular case mentioned above, and the discoloration extended almost half-way through the piece downward from the top, and also a short distance upward from the under or protected side.

Stones that are not too badly affected may often be repaired by carefully removing all the loosened parts, cleaning thoroughly, roughing for anchorage (when this is necessary), and then building back to nearly the original form with a good grade of cement. The cement should entirely cover the upper face of the stone, to prevent further checking by the weather.

Coping or cap stones that are cut and set in a like manner should be replaced by properly cut stones, or by brick with tile caps.—*Associated Contractors.*

Reference Directory for Architects, Builders and Owners

ACCOUNTANT.

R. Landergin.....5523 Hadfield St., Phila.

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2445 N. Second St., Phila.

ARTESIAN WELLS.

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

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Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINTS.

Blue Print Shop.....1520 Sansom St., Phila.
Robbins, Chas. H., Co.....1729 Sansom St., Phila.
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Weil, J. H., Co.1315 Cherry St., Phila.

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BOILER AND PIPE COVERINGS.

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

BRICK.

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.

BRICK (Face, Common, Paving).

Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS.

Mitchell Bros.2125 Race St., Phila.
Joseph Rotornado.....4740 Milnor St., Phila.

BUILDING BLOCKS.

Victor Concrete Products Co.,
Primos Station, Del. Co., Pa.

BUILDING NEWS.

Daily Building News.....1530 Chestnut St., Phila.

BUILDERS' SUPPLIES.

Camden Materials Co.....1345 Pine St., Camden, N. J.

Service Supply Corporation,
20th and Venango Sts., Phila.

The Van Sciver Corporation,
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West Jersey Sand & Supply Co.,
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CAST STONE

Vineland Architectural Cast Stone Works,
Vineland, N. J.

CEMENT.

Camden Materials Co.....1345 Pine St., Camden, N. J.

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK.

D'Lauro, John55 E. Mermaid Lane, Phila.

Harsch, Wm. F.Narberth, Pa.

Massiah, Frederick. Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

COLUMNS (Metal).

Pearce Fireproof Co.1911 N. 2nd St., Phila.

CONCRETE SEWER PIPE.

Stroudsburg Septic Tank Co. 328 Chestnut St., Phila.

CONCRETE WORK.

Harsch, Wm. F.Narberth, Pa.

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Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.

CURTIS WOODWORK.

Gillingham Co. ...Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS.

Building News Pub. Co.1530 Chestnut St., Phila.

DAMP-PROOFING.

Anti-Hydro Waterproofing Co.,
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Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Truscon Laboratories.....1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co.....512 Bulletin Bldg., Phila.

DRAWING MATERIALS.

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Sanitary Engineering Co.....40 S. 52nd St., Phila.

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Abe Kolsky9th & Walnut Sts., Phila.

Mortgage Extension Corp., 1011 Chestnut St., Phila.

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J. E. Lingo & SonCamden, N. J.

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Anti-Hydro Waterproofing Co.,
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Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Truscon Laboratories.....1505 Race St., Phila.

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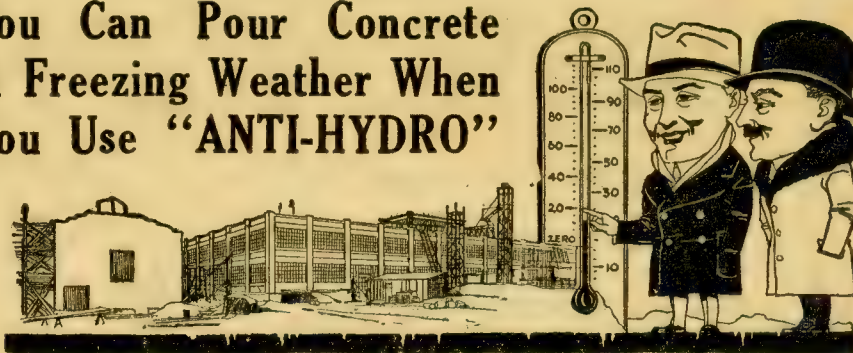
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Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XL, No. 52
December 30, 1925

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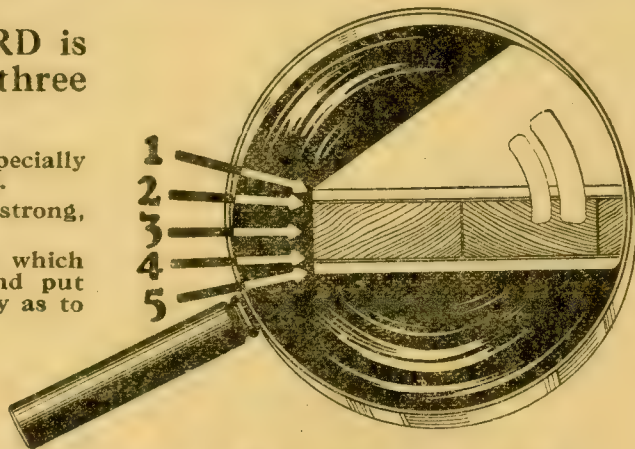
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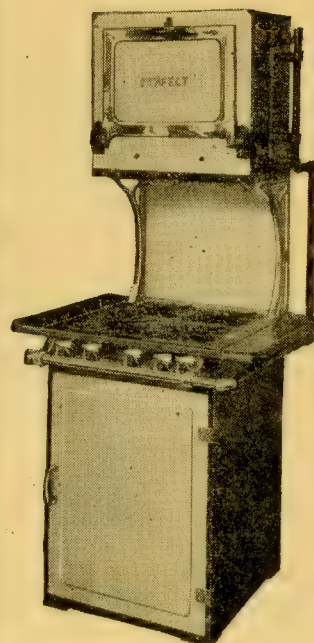
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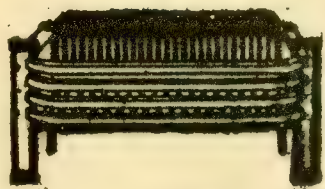
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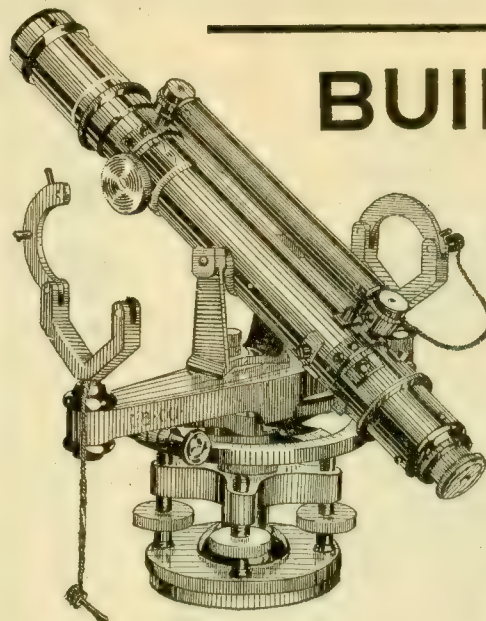
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BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XL
Number 52

PHILADELPHIA
December 30, 1925

BUILDERS' GUIDE

PUBLISHED WEEKLY
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As The Editor Sees It



ANOTHER Xmas has come and gone and we all turn our faces expectantly and hopefully toward the New Year. What promise of success, and prosperity, and happiness, does 1926 hold forth to us?

Many years in the past have been hailed as the greatest of all years in the building industry. It is almost incomprehensible that 1925 should have exceeded all previous prosperous years in building work, and all signs point now to still greater achievement in the year about to be born.

We, in American industry, have our faults. We complain about high wages, and exorbitant prices. Yet, at heart we know we would not change these conditions, for it is because of them that the rank and file of American citizenship enjoy luxurious privileges, and living conditions such as are possible for the working class in no other country in the world.

At this time of year we are particularly impressed with the prevailing spirit to stretch out a helping hand to the fellow who is down. Everywhere, business organizations, associations and clubs are imbued with the will to do something for someone less fortunate, and we be-

lieve that this spirit holds throughout the year, as well as at Xmas.

Let us resolve to maintain this spirit of helpfulness throughout all the new year. Co-operation with our associates in business and practice of the golden rule not only at this season of the year but during the entire year will make the entire building trades happier and a more pleasant world in which to labor.

We are grateful for the co-operation of Architects, Builders and the entire Building Trades rendered during 1925 and extend a hearty wish to all that 1926 may bring continued prosperity to the Architectural and Building Trades.

"ECONOMIC PROSPECTS FOR 1926"

In response to many requests from the press Secretary Hoover made the following statement on "Economic Prospects for 1926":

Any business forecast must be simply an appraisal of the forces in motion at home and abroad, for and against progress. All signs indicate that if we will temper our optimism with a sprinkling of caution we shall continue our high level of prosperity over 1926.

The United States has produced and

consumed more goods in 1925 in proportion to population than ever before in its history. Our standard of living has therefore been the highest in our history and is of course the highest in the world. This improvement, however, has been greater in the urban centers than in agricultural communities.

The dominant favorable factor in our outlook is our increased productivity, due to fundamental and continuing forces—such as the cumulation of education, the advancement of science, skill, and elimination of waste. Other favorable indications on the immediate horizon are that the stocks of commodities are moderate; there is employment for practically everyone; real wages are at a high level; savings are the largest in history and capital is therefore abundant; and the whole machinery of production and distribution is operating at a higher degree of efficiency than ever before. While wholesale prices for the year as a whole have averaged about 6% higher than for the previous year it is largely due to needed advance in prices of agricultural products.

There are some phases of the situation which require caution. Continuation of real estate and stock speculation and its possible extension into commodities with

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inevitable inflation; the over-extension of installment buying; the extortion by foreign government-fostered monopolies dominating our raw material imports; the continued economic instability of certain foreign countries; the lag in recovery of certain major agricultural products; the instability of the coal industry; the uncertainties of some important labor relationships—all these are matters of concern. But as said above, with caution we should continue a prosperous year over 1926.

Agriculture, while it is better than it was two years ago, still leaves the farmers with much accumulated debt, and generally has not gained a stability that makes for contentment because its basic economic problem of market is unsolved. Also it suffers from continued distortion in price relationship of the middle west to the competing foreign countries because our transportation costs to sea board have had to be increased more than those of its foreign competitors. The projected enlarged program of improvement in waterways is of great importance in this matter.

The construction industries have played a very large part in the high business activity of the past three years. The volume of construction has been unprecedented during the past year with consequent great activity in the construction-material industries, iron, steel, lumber, cement, etc. Contrary to normal expectations this increased demand has not increased prices, for there has been a slight reduction in building costs due in a large measure to the gradual lengthening of the building season. The increasing Federal, State, and municipal public works programs for next year together with the promise of large electrical and railway extension and improvement, indicate a continuing demand for heavy construction. While it might be thought that the war deficiency in housing has been overcome, yet the high real wage in industry creates a demand for better housing and this condition, combined

with the migration to suburbs due to the motor, promises to continue as long as employment remains general. We could hardly expect so exceptional a construction activity to repeat itself, but there will be a large volume in any event.

The textile and shoe industries as a whole are running at high levels of production, although the tendency in some branches of these industries to develop more rapidly in the South and West is affecting New England pending readjustment of her economic relationships. The automobile and tire industries will record an unprecedented output. The coal industries show increased production despite the anthracite strike and the production of all other minerals has increased.

In transportation, our railways are giving the best service in our history and are recovering in average earnings to near the Interstate Commerce Commission standard of earnings of five and three-fourths per cent. There is some improvement from the acute depression in the shipping world; and progress has been made in plans for internal waterway improvement. The electrification of the country has made further great strides during the year toward central generation and interconnection. There has been some pyramiding of power holding companies, much criticized within the electrical industry itself, but the solid progress of the industry is marked by the extension of use of electricity with all its economies in production of goods and saving of labor. Furthermore, taking the country as a whole, there has been a reduction in rates for power and light indicating that the public is securing benefits from the economies introduced in production of electricity.

Our foreign trade in 1925 has been exceptionally satisfactory. Both exports and imports have risen materially, the former reflecting an increase in agricultural exports and the latter reflecting the large demand for foreign raw materials

(Continued on page 828)

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Store Building, 929 Market street, Philadelphia. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Harry C. Kahn & Son, Eleventh and Filbert streets, Philadelphia. Reinforced concrete, brick, steel, stone, 8 stories, 23x200 feet, tile and marble work, electric light, elevators, plate glass. Plans in progress.

Bank and Apartments, Seventeenth and Tioga streets, Philadelphia. Architect, Wm. H. Lee, 1505 Race street, Philadelphia. Owners, Tioga Trust Co., C. W. Rueter, 1700 Tioga street, Philadelphia. Stone, brick, steel. Preliminary plans in progress.

For Auto Sales Room (add.), Fifteenth and Passyunk avenue, Philadelphia. Architect, P. S. Tyre, 114 South Fifteenth street, Philadelphia. Owner, C. J. Johnson, on premises. Brick, steel, two stories, 36x80 feet. Plans in progress.

Garage, 6010-20 Cedar avenue, Philadelphia. Architect, Fred N. Greisler, 1035 Walnut street, Philadelphia. Owner, B. Bornstein, Wingohocking and Belfield avenue, Philadelphia. Brick, steel, one story, 90x180 feet, slag roof, cement floors, steam heat, oil burning, electric light, rolled steel sash, hollow metal skylights. Owner taking sub-bids.

Apartment House, Forty-first and Walnut streets, Philadelphia. Architects, Newbauer & Supowitz, 929 Chestnut street, Philadelphia. Owners, Forty-first & Baltimore Avenue Corp., care of M. Kirschner, 4930 Brown street, Philadelphia. Brick, stone and terra cotta, four stories, 125x160 feet, slag roof, hardwood floors, plumbing, steam heat, electric light, tile work, kitchen equipment. Owners taking sub-bids.

Stores and Apartment Buildings, Southwest Corner Eleventh and Loudon streets, Philadelphia. Architect, William Lowenthal, 1208 Chestnut street, Philadelphia. Owner, Samuel Saler, care of architect. Brick, 2 stories and basement, 15x78 feet, slag roof, hardwood, pine and composition floors, hot water heat, electric light, metal lath, tile and marble work, metal bulks, metal ceilings, leaded glass, plate glass, door beds, iron cellar doors. Plans in progress.

Convent and Home, 1812-14 Green street, Philadelphia. Architects, Stimmler & Winter, 323 Roxborough avenue, Philadelphia. Owners, Dominican Guild, on premises. Brick, limestone, steel, 4 stories, 78x150 feet, slag

roof, hardwood floors, steam heat, electric light, tile work. Will contain chapel, auditorium, swimming pool, 32x60 feet. Plans in progress.

Hospital, Philadelphia. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, Osteopathic Hospital, Nineteenth and Spring Garden streets, Philadelphia. Brick, steel concrete, 4 stories, 58x156 feet, slag roof, composition, tile and linoleum floors, hollow tile, elevators, safety treads, roof ventilators, metal weather strip, waterproofing and dampproofing, brass pipe, ornamental iron, iron stairs, bond, fire doors, vapor heat, electric light, metal lath, tile and marble. Plans in progress.

Residences (21), N and Lyeoming streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Alfred C. Lechler, 3705 Germantown avenue, Philadelphia. Brick, stucco, 2 stories, 15x38 feet, slate and slag roof, hardwood and cement floors, hot water heat, electric light, metal lath, basement garages, hollow metal skylights. Plans completed. Architect will be ready for sub-bids in one week.

Store, Office and Apartment, 5845 Germantown avenue, Philadelphia. Architects, T. B. Lippincott and C. H. Schaef, 11 South Sixteenth street, Philadelphia. Owner, Max Lewis, care of architect. Brick, 2 stories, 24x74x48 feet, slag roof, pine and composition floors, travertine, arvon, marble work, hot water heat, electric light, metal bars, plate glass. Plans completed. Architects ready for general bids.

Manufacturing Building (alts.), 530 Arch street, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, A. Kaplan, on premises. Brick, 5 stories, general interior alterations, vapor vacuum heat, electric light, oil burning equipment, pine floors. Architect taking bids due January 8th.

Apartment House, Fifty-fourth and Sansom streets, Philadelphia. Architect, Herman H. Kline, Bulletin Building, Philadelphia. Owner, Benjamin Goodrich, Jr., Liberty Building, Philadelphia. Brick, 3 stories, 40x105 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Owner and architect taking bids.

Sunday School Building, Palmetto and

Cottman streets, Burholme, Pa. Architect, George C. Baum, 1511 Arch street, Philadelphia. Owners, Immanuel Lutheran Church, on premises. Stone, 1 story and basement and gallery, 87x45 feet, Bangor slate roof, cement floors, painting and glazing, plumbing, steam heat, electric light, tile work, ornamental iron work. Artificial cast stone. Architect taking bids.

Residence and Garage, Germantown, Philadelphia. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, Ralph A. Gibbs, care of architect. Architect taking bids due January 4th at noon.

New School of Practice, Spring Garden West of Thirteenth street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. General construction, plumbing, heating, electric, ventilating. Owners taking bids due January 5th at noon.

Store and Apartments (13), 4274-76 Frankford avenue, Philadelphia. Architect, Frank E. Hahn, 629 Chestnut street, Philadelphia. Owner, William Kogen, 4278 Frankford avenue, Philadelphia. Brick, 3 stories, 41x127 feet. Owner taking sub-bids on unfinished work consisting of tile, marble work, slag and copper roofing, concrete and fireproofing, ornamental iron work, painting, plastering, mill work, glazing.

Completion of Building, 1313 Walnut street, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Bankers' Bond & Mortgage Co., on premises. Iron work, granite, limestone, hardware, slag roof, painting and glazing, cement work, rubber floors, steam heat, electric work, plumbing, hollow tile, revolving doors. Architect taking bids due December 31st.

Loft Building, 412-14 Market street, Philadelphia. Architect, Gabriel B. Roth, 1629 Chestnut street, Philadelphia. Owner, name withheld. 12 stories and basement. Architect taking bids due January 5th.

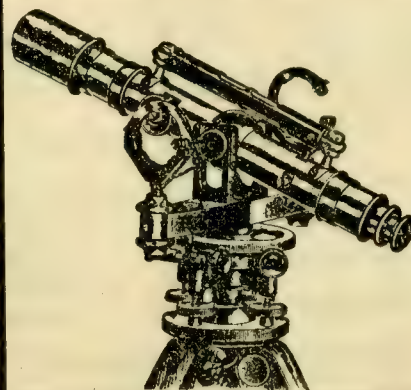
Swimming Pool, Francisville Playground, Philadelphia. Architect, Andrew J. Sauer, Schaff Building, Philadelphia. Owners, Department of Public Welfare, Bureau of Recreation, 495 City Hall. Construction, plumbing and electric work. Owners taking bids due January 7th at noon. Certified check 5 per cent. of amount of bid.

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Miscellaneous Repairs (various schools), Philadelphia. Owners, Board of Education, Nineteenth above Chestnut streets, Philadelphia. Owners taking bids due January 5th at noon. Electric, New Junior High School, Fifty-third and Media avenue, Philadelphia. Equipment, New Senior High School, Fifty-ninth and Lancaster avenue and Eighteenth and Luzerne streets, Philadelphia. Auditorium entrances, wire screens, kindergarten project case, general repairs, etc. Various schools.

Grading, Philadelphia. Owners, Department of Public Works, Bureau of Highways, 232 City Hall. Owners taking bids due December 31st at noon, 216 City Hall. Certified check 5 per cent. of bid.

Warehouse (alts.), South side City Line, East of Fiftieth street, \$30,000. Architect, J. F. Lowery, Land Title Building, Philadelphia. Owner, Thomas F. Reilly, Fiftieth and City Line, Philadelphia. General alterations. Permit granted.

Residence, Southeast Corner Orchard Lane and Ellicott road, \$8,000. Architect, private plans. Owner, Allen Scott, 4918 Osage avenue, Philadelphia. Frame, 3 stories, 32x24 feet, shingle roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Residences (2), South side Herbert street, West of Horrocks street, \$4,000 each. Architect, private plans. Owner, John J. McDonnell, 5133 North Fifth street, Philadelphia. Brick, 2 stories, 15x25 feet, 9x12 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Residences (2), 1050-52 Wakeling street, Philadelphia, \$7,500 each. Architect, private plans. Owner, J. D. Fotheringham, 1000 Arrott street, Philadelphia. Brick, 2 stories, 16 feet 4 inches x 48 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit granted.

Store and Residence (alts.), Southeast Corner Thirty-second and Lancaster avenue. Architect, private plans. Owners, Samuel Brothers, 624 South Broad street, Philadelphia. General alterations. Permit granted.

Residences (15), West side Osmond street, South of Ainslie street, \$3,800 each. Architect, private plans. Owner, M. J. McCruden, 1134 Real Estate Trust Building, Philadelphia. Brick, 2 stories, 16x25 feet, slag roof, pine floors, hot water heat, electric light. Permit granted.

Apartment House, Northeast Corner Vernon road and Milton street, \$80,000. Architect, private plans. Owners, Salasin & Freed, Spring avenue, Ardmore, Pa. Brick, 3 stories, irregular size, steam heat, electric light, hardwood and pine floors, slag roof. Permit granted.

Apartment House (alts.), 3943 Locust street, Philadelphia, \$3,000. Architect, private plans. Owner, W. T. Harris, 3944 Chestnut street, Philadelphia. General alterations. Permit granted.

Residences (10) (alts.), 15 to 35 South Harmony street, \$3,000 total. Architect, private plans. Owner, Elizabeth G. Patterson, 1410 Wharton street, Philadelphia. General alterations. Permit granted.

Sewer Work, Philadelphia. Owners, Department of Public Works, Bureau of Highways, 232 City Hall. Low bids: Main Sewer Tacony Creek, H. A. Hamilton, Greene and Chelton avenue, Philadelphia, \$84,934.74. Lebanon avenue, Fifty-seventh to Upland, F. T. Buckius, Kensington avenue and Deal street, \$5,000. Woolstron street, Middleton to Walnut Lane, J. Joseph McHugh, 1617 Rave street, \$4,885.60. Rowland avenue, Tudor to Bleigh, V. S. Campellone, 812 West Venango street, \$6,766.50. Coleman street, Fifty-eighth to Fifty-seventh, J. Jos. McHugh, 1617 Race street, Philadelphia, \$203.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Warehouse and Show Rooms (alts.), 5542-46 Chestnut street, Philadelphia, \$8,500. Owners, Asam Bros., 919 Arch street, Philadelphia. General alterations. Contract awarded Fred. Candidus, Berlin, N. J.

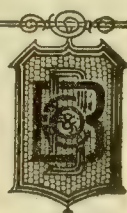
Alterations and Additions, 1821 Chestnut street, Philadelphia. Architects, W. H. Gravel and A. W. Hall, Otis Building, Philadelphia.

Owner, Richard J. Seltzer, 1423 Locust street, Philadelphia. Brick, steam heat, electric light, tile and marble work, carpentry and mill work, stair work, plastering, cement work, painting and glazing. Contract awarded J. Schnabel, Abbotts Building, Philadelphia.

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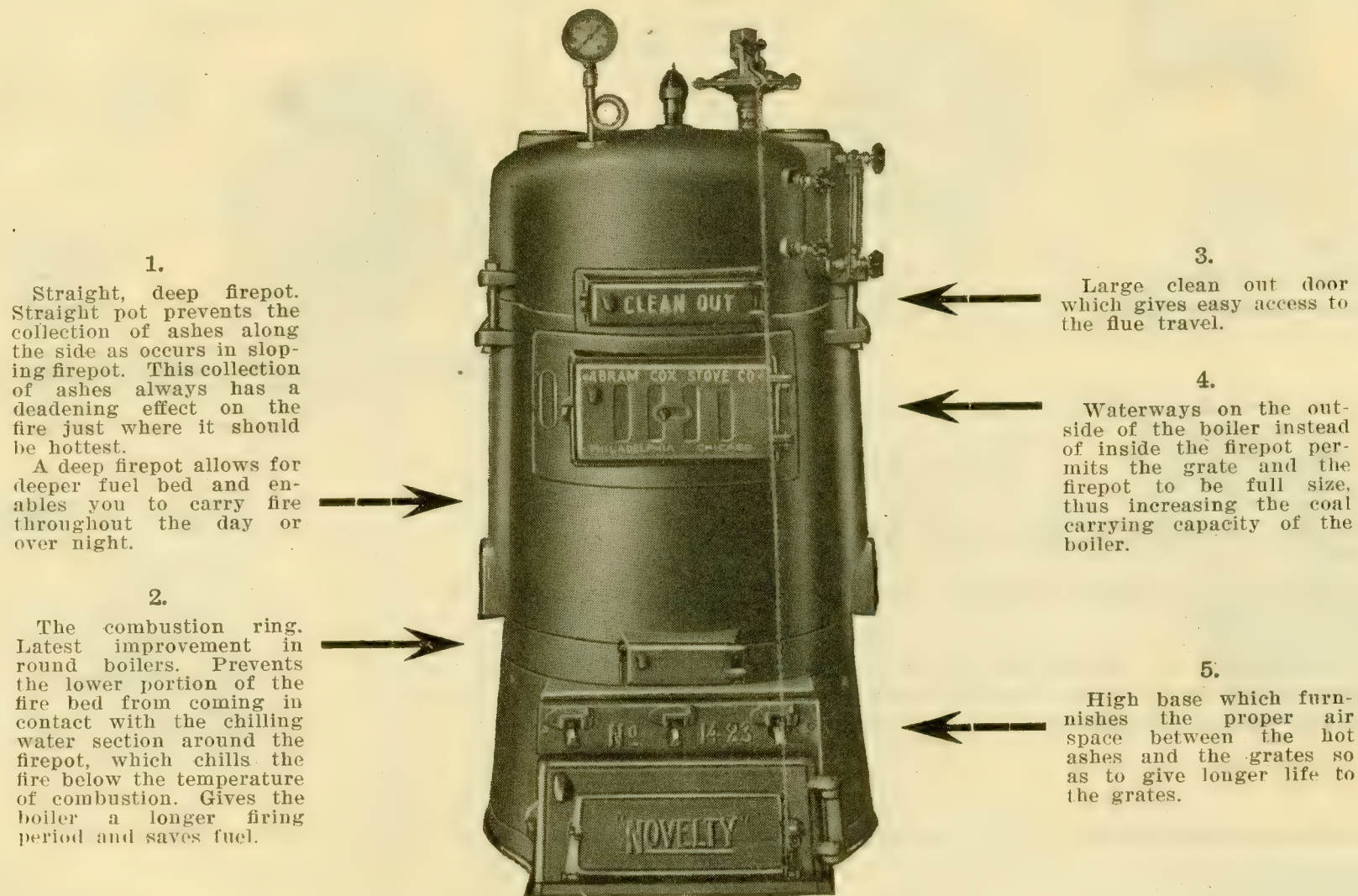
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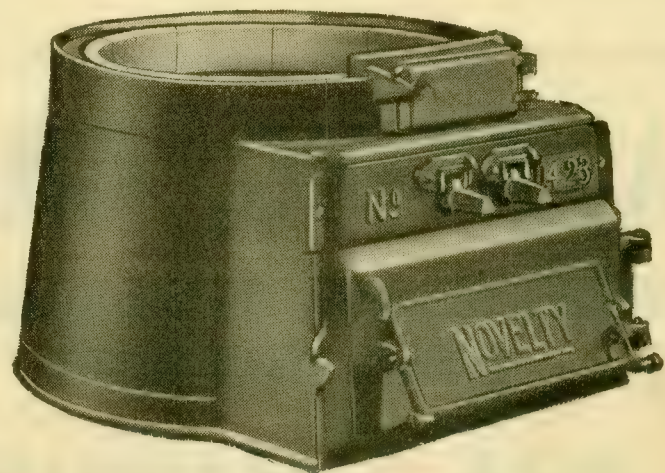
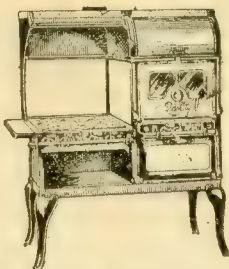


Illustration of Combustion Ring

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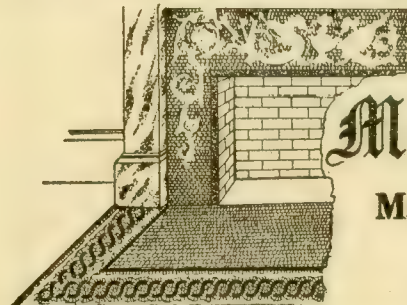
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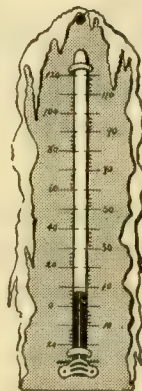
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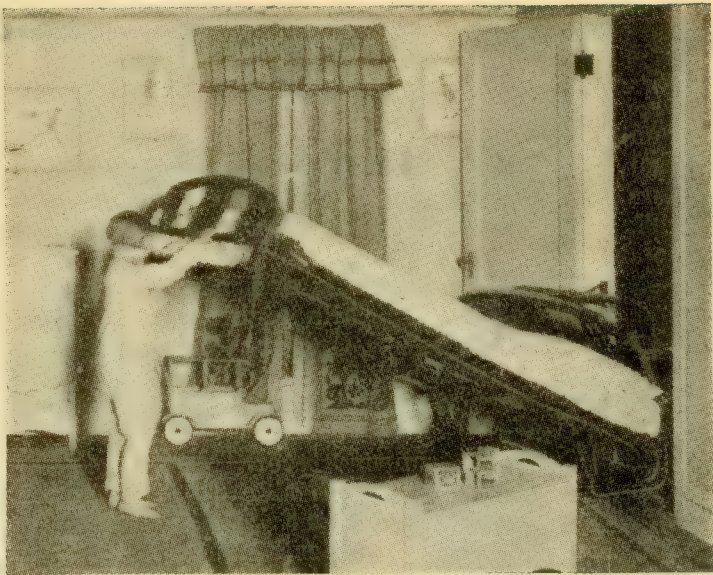


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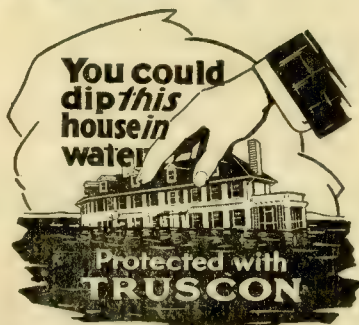


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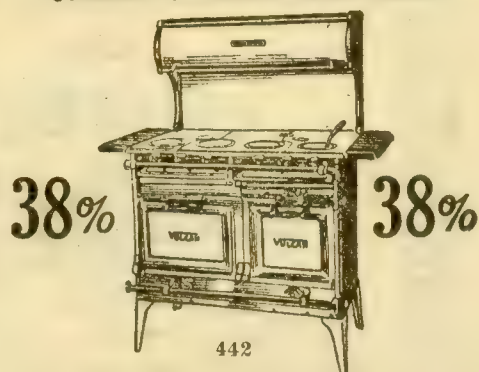
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nue, Philadelphia, \$5,000. Architects, Penwood Company, 131 North Fifteenth street, Philadelphia. Owners, Chabrow Brothers, Third and Locust streets, Philadelphia. Brick, limestone, 1 story, 15x52 feet, slag roof, wood floors, plate glass, leaded glass, metal ceilings, hot water heat, electric light, tile work. Contract awarded to David Lutz Co., Twenty-third and Chestnut streets, Philadelphia.

Swimming Pool, Chestnut Hill, Pa. Architects, Dreher & Churchman, Otis Building, Philadelphia. Owner, C. R. Wainwright Chestnut Hill, Pa. Grading, excavation, concrete work, manhole plumbing, spring board, waterproofing. Contract awarded F. G. Stewart, 1520 Locust street, Philadelphia.

Alterations, 4109 Market street, Philadelphia. Architect, G. Harold Murphy, Drexel Building, Philadelphia. Owner, George T. Sales, Liberty Building, Philadelphia. Carpentry and mill work, plastering, painting and glazing. Contract awarded Rush Brothers, 4682 Darrah street, Philadelphia.

Apartment House, 4518-20 Osage avenue, Philadelphia, \$20,000. Architect, private plans. Owners, I. Myerson and C. Hastings, Land Title Building, Philadelphia. Brick, 3 stories, 20 feet 6 inches x 19 feet 3 inches, 17x83 feet, slag roof, hardwood and pine floors, electric light. Contract awarded to S. Silverman, Land Title Building, Philadelphia.

Store and Residence (add. and alts.), 4446 Frankford avenue, Philadelphia. Architect, private plans. Owner, H. Stein, on premises. Brick, 1 story side add., 3x51 feet, 1 story rear add., 24x38 feet, general alterations. Contract awarded to S. Yellin & Son, 222 North Eleventh street, Philadelphia.

Residence, South side Princeton avenue, West of Frontenac street, \$4,000. Architect, private plans. Owner, Charles H. Walls, 2873 Jasper street, Philadelphia. Frame, 2 stories, 26x26 feet, shingle roof, pine floors, hot water heat, electric light. Contract awarded to Henry Bertold, Bristol, Pa.

Office Building (alts.), Northeast Corner Nineteenth and Arch streets, \$17,000. Owner, Jacob Kahn, Sixteenth and Chestnut streets, Philadelphia. General alterations. Contract awarded to Wark Company, Sixteenth and Walnut streets, Philadelphia.

Factory (repairs), 134-36 North Front street, Philadelphia, \$5,000. Architect, private plans. Owner, J. F. Adams, 134 North Front street, Philadelphia. General fire repairs. Contract awarded to William F. Koelle Co., 2601 Oxford street, Philadelphia.

Residences (2), East side Ryers street, South of Stanwood street, Philadelphia, \$4,500 total. Architect, private plans. Owner, John Corbett, 833 Fanshawe street, Philadelphia. Frame, 1 story, 24x32 feet, shingle roof, pine floors, electric work. Contract awarded to George Krewson, 330 Franklin street, Cheltenham, Pa.

Residences (9) (alts.), 2030-46 Latimer street, Philadelphia, \$4,500. Architect, pri-

vate plans. Owner, Joseph Feldman, 1807 Franklin Trust Building, Philadelphia. General alterations. Contract awarded to B. Israel, 1235 North Seventh street, Philadelphia.

Residence (add. and alts.), 6328 Germantown avenue, Philadelphia, \$3,500. Architect, private plans. Owners, Sterling Signs, 6208 Germantown avenue, Philadelphia. Brick, 1 story add., 20x42 feet, general alterations. Contract awarded to Samuel Harting & Sons, 20 East Johnson street.

Residence, North side Cottman street, East of Whittaker street, \$6,000. Architect, private plans. Owner, Annie R. Stock, 3945 North Eighth street, Philadelphia. Frame, 2 stories, 30x40 feet, shingle roof, hardwood and pine floors, electric lighting. Contract awarded to William W. Ashby, 7920 Oxford avenue, Philadelphia.

Garage, 1665 Harrison street, Philadelphia, \$2,900. Architect, private plans. Owner, James McClung, 4346 Frankford avenue, Philadelphia. Brick, 1 story, 52 feet 2 inches x irregular, slag roof, cement floors. Contract awarded to Edward Morrow, 4695 Castor road, Philadelphia.

Sprinklers, East side of Broad above Allegheny avenue, Philadelphia. Architect, Philip S. Tyre, 114 South Fifteenth street, Philadelphia. Owners, Packard Motor Co., Broad and Wood streets, Philadelphia. Contract awarded Grinnell Auto Sprinkler Co., 414 Walnut street, Philadelphia.

Pennsylvania Construction News

Studebaker Motor Sales Building, Lansdowne, Pa. Architect, P. S. Tyre, 114 South Fifteenth street, Philadelphia. Owners, Simons & Barrow, 10 West Baltimore avenue, Lansdowne, Pa. Brick, steel, three stories, 25x85 feet. Plans in progress.

Hospital, Upper Darby, Pa., \$90,000. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Delaware County Hospital, care of Dr. T. Clawson Beswick, Upper Darby. Brick, stone, steel, 4 stories, 50 to 60 beds. Plans in progress. Too early for details.

Office Building (alts. and add.), Bryn Mawr, Pa. Architect, private plans. Owners, Philadelphia Suburban Water Co., care of Mr. Crawford, Fox Building, Philadelphia. Brick, steel, local stone, 2 stories, 40x40 feet, 22x40 feet, slag roof, reinforced concrete and linoleum floors, hot water heat, electric light. Owners taking bids due January 4th.

Garage, Ardmore, Pa. Architects, T. B. Lippincott and C. H. Schaef, 11 South Sixteenth street, Philadelphia. Owner, Casper Bongavine, Ardmore, Pa. Brick, concrete block and stucco, 1 story. Owner taking bids.

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Pennsylvania Contracts Awarded

Residence and Garage, No. 67, Wynnewood, Pa. Architect, Richard A. Kerns, Jr., 109 South Twenty-second street, Philadelphia. Owner, Harvey I. Thompson, Penfield Building, Philadelphia. Stone, 2½ stories, 31x76 feet, 120x24 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Contract awarded Wynnewood Const. Co., 109 South Twenty-second street, Philadelphia.

Bank, Darby and Mill roads, Brookline, Pa. Architect, Stanford B. Lewis, 1713 Sansom street, Philadelphia. Owners, Haverford Township Title & Trust Co., on premises. Stone, precast stone, brick, cut stone, steel, 2 stories and basement, 50x37 feet, controlled heat, electric light, metal lath, tile, marble and terrazzo work, fire and kalamein doors, bond, area gratings, cabinet work (vault doors, burglar alarms, clocks, electric fixtures, signs, oil burners reserved. Contract awarded Curtis Grindrod Co., 10 South Eighteenth street, Philadelphia.

New Jersey Construction News

Hotel, Virginia avenue near Beach, Atlantic City, N. J. Architect, not selected. Owner, George T. Sales, Liberty Building, Philadelphia. Brick, 200x150 feet. Contemplated.

Apartment and Stores (4), Palmyra, N. J. Architect, Benjamin Rush Stevens, 1827 Arch street, Philadelphia. Owner, Edgar A. Lamon, care of architect. Frame and stucco, 3 stories. Plans in progress.

Hotel (add.), Atlantic City, N. J. Architect, Warren Wetmore, 16 East Forty-seventh street, New York City. Owners, Ritz-Carlton Hotel Co., Atlantic City, N. J. Plans in progress.

Almshouse (add.), Cape May Court House, N. J. Architects, Edwards & Green, Van Russ Building, Camden, N. J. Owners, Board of Chosen Freeholders, Cape May Court House, N. J. Brick. Plans in progress. Too early for details.

Spanish Court (20-family), Merchantville, N. J. Architects, Edwards & Green, Van Russ Building, Camden, N. J. Owners, George Krewson, Merchantville, N. J. Miscellaneous buildings, plot 300x180 feet. Plans in progress.

Office Building, Broadway and Stevens avenue, Camden, N. J. Architects, Edwards & Green, Van Russ Building, Camden, N. J. Owners, Medical Arts Building, care of architects. Brick, steel, limestone, fireproof, 8 stories, 50x120 feet, slag roof, reinforced concrete floors, elevators, steam heat, electric light, metal lath, tile work. Plans in progress.

Apartment House (32-family), Merchantville, N. J. Architects, Edwards & Green, Van Russ Building, Camden, N. J. Owners, Greenliegh Apartments, care of architects. Brick, steel, stucco, 3 stories, 135x93 feet, steam heat, electric light, tile and marble. Plans in progress.

Bank (alts. and add.), Southeast Corner Sixth and Penn streets, Camden, N. J. Architects, Lackey & Hettel, 5 Hudson avenue,

Camden, N. J. Owners, North Camden Trust Co., care of architects. Brick, cinder block, steel, 2 stories, 18x80 feet, slag roof, hardwood floors, electric light, tile work, alterations. Plans in progress.

Factory (add.), Camden, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, Charles K. Cook Co., care of architects. Brick, steel, 3 stories, irregular size, slow burning construction roof, wood floors, waterproofing, heating extension, electric light, rolled steel sash, fire doors, iron stairs. Plans in progress.

Residence, Haddonfield, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owner, Dr. O. N. Hinsky, Haddonfield, N. J. Brick, cinder block, 2½ stories, slate roof, hardwood floors, tile work, electric light. Plans in progress.

Stadium (high school), Camden, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, care of architects. Concrete, reinforced concrete, seating capacity 10,000. Plans in progress.

Church, Grant and Berkley streets, Camden, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, Calvary Presbyterian Church, on premises. Stone, steel, 1½ stories, 84x100 feet, slag roof, maple floors, electric light, waterproofing. Plans in progress.

Theatre, Store and Apartment, Oaklyne, N. J. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, David Barrist, 301 North Thirteenth street, Philadelphia. Brick, 1 and 2 stories. Preliminary plans in progress. Will take bids in spring, 1926.

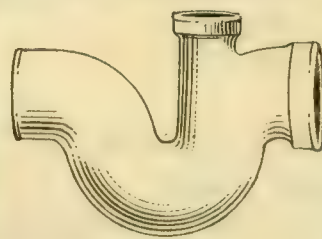
School, Mizpah, N. J. Architect, S. Hudson Vaughan, Guarantee Trust Building, Atlantic City. Owner, care of architect. Brick, limestone, 3 stories, 150x80 feet, maple floors, steam heat, electric light, iron stairs. Plans in progress.

Buildings (2), Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Trenton Potteries, North Clinton and Ott streets, Trenton, N. J. Fireproof, 1 story, 40x400 feet, and 1 story, 80x80 feet, tile and slag roof, concrete floors, electric light, rolled steel sash, fire doors. Plans in progress. Architect will take bids next week.

Factory Building, Camden, N. J. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owners, Congress Cigar Co., Third and Spruce streets, Philadelphia. Re-

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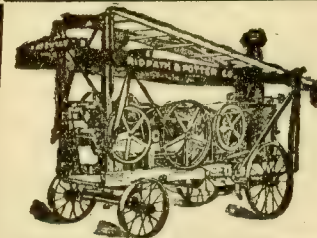
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inforced concrete, 3 stories. Plans about completed. Architect will be ready for bids in one week.

Locker Building and Swimming Pool, Pine Point Park, Camden, N. J. Architects, Edwards & Green, Van Russ Building, Camden, N. J. Owners, City of Camden, Department of Parks and Public Property, City Hall, Camden, N. J. Concrete block and stucco, 1 story, 29x64 feet, swimming pool, concrete, 50x150 feet, asbestos shingle roof, concrete floors, electric light. Plans about completed. Bids will be taken in one week.

Store, Apartment, Office and Swimming Pool, Boardwalk, Atlantic City. Architect, A. L. Brooks, Humphry Building, Atlantic City, N. J. Owners, Peikin Brothers, 1543 Boardwalk, Atlantic City, N. J. Fireproof, 6 stories, 70x300 feet, slag and tile roof, hollow tile, roof ventilators, waterproofing and damp-proofing, ornamental iron, iron stairs, tile and marble, steam heat, electric light. Architect ready for bids first of year.

Hotel (alts. and add.), 2905 Pacific avenue, Atlantic City. Architect, Benjamin Brown, Guarantee Trust Building, Atlantic City, N. J. Owner, name withheld. General interior alterations, hot water heat, electric light, maple floors, tile work. Architect ready for bids due January 3rd.

Attendants' Building, Psychopathic Building, Doctors' House, Nurses' House, Trenton, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, New Jersey State Hospital for Insane, Trenton, N. J. Will be ready for bids next week.

New Jersey Contracts Awarded

Wireless Station (alts. and add.), Albany avenue, Atlantic City. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owner, H. T. Headley, Commissioner, City Hall, Atlantic City, N. J. Concrete, steel, 1 story, 40x15 feet 6 inches, asphalt roof, hardwood floors. Contract awarded to Lam Building Co., Humphry Building, Atlantic City.

Fire House, Rhode Island and Melrose avenues, Atlantic City. Architect, J. V. Mathis, Guarantee Trust Building, Atlantic City. Owners, City of Atlantic City, City Hall, Atlantic City, N. J. Brick, steel, hollow tile, stucco, 2½ stories, 41x99 feet, tile roof, cement and hardwood floors, hollow tile, damp-proofing. Contract awarded to S. H. Headley, Guarantee Trust Building, Atlantic City.

Factory (add.), Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Trenton Potteries, North Clinton and Ott streets, Trenton. Brick, steel, 4 stories and basement,

58x94 feet, slag roof, slow burning floors, electric light, metal lath, rolled steel sash, fire doors, kalamein doors, waterproofing. Contract awarded to J. H. Morris & Co., 211 North Montgomery street, Trenton, N. J.

Miscellaneous Contracts Awarded

New Plant, Bemberg, near Johnson City, Tenn., \$1,250,000. Architects, Lockwood-Greene Co., 100 East Forty-second street, New York City. Owners, American Bemberg Corp., Johnson City, Tenn. Brick, reinforced concrete, steel, 6 stories, 650x250 feet, 250x67 feet, asphalt roof, concrete and linoleum floors, hollow tile, roof ventilators, metal lath, tile and terrazzo work, rolled steel and hollow metal sash, kalamein and hollow metal doors, iron stairs, ornamental iron work, mastic floors, cork insulation, rolled steel shutters, plumbing, roof ventilators, Ironite waterproofing. Contract awarded Hughes-Foulkrod Co., Commonwealth Building, Philadelphia.

(Continued from page 820)

and tropical foodstuffs. Exports will total around \$4,900,000,000 or about 7% more than in 1924. Imports will amount to about \$4,200,000,000 or approximately 17% more than in 1924. Roughly, one half of this increase in both exports and imports is attributable to greater quantities exported, and the remainder to advance in prices. The major explanation of our favorable trade balance is, of course, to be found in the continued heavy investment of American capital abroad; in essence we are lending foreigners the where-with-all to buy goods from us, or are sending goods to convey our investments abroad. It is probable that the final figures will show that this country has added to its foreign investments during the year by more than a billion dollars.

The most remarkable thing about the foreign trade of the United States is that, after making allowance for the higher level of prices, both exports and imports are much greater than before the war, in contrast with the quantitative decrease in the trade of the other foreign countries engaged in the war. According to Brit-

ish calculations the exports of that country were in physical volume nearly 25% less in 1925 than before the war, and Germany's exports have fallen off still more. British imports are practically at their pre-war level, and those of Germany materially below it.

In finance, the year has been characterized by increased savings, comparatively easy money conditions, the issuance of a large volume of both domestic and foreign securities, and by an extraordinary rise in the prices of stocks accompanied by marked speculation on the New York Stock exchange. This fever of speculation is also wide-spread in real estate and unless our financial policies are guided with courage and wisdom, this speculation may yet reflect into the commodity markets, thereby reversing the cautious buying policies of recent years. Psychology plays a large part in business movements and over-optimism can only land us on the shores of over-depression. Not since 1920 have we required a better informed or more capable administration of credit facilities than now if we are to continue an uninterrupted high plane of prosperity. In any event there should be no abatement of caution in the placing of forward orders, particularly in view of the great increase in sales of a great variety of merchandise on the installment basis.

In the foreign field as a whole the situation is more promising than at any other time in twelve years. Each year one nation after another abroad gains in economic and fiscal stability, in production and in employment. War-inherited famines have disappeared from the earth, standards of living are everywhere higher than at any time since the war. In fact, no one in 1919 would have believed that so great a measure of recovery would be attained in Europe by 1925—a proof of a high quality in European statesmanship. The Locarno Agreement promises much greater political stability, and paves the way for another stage of disarmament with consequent improvement in the economic outlook. Of the disturbed areas England and Germany have not recovered employment in full; France shows economic strength among her people, but popular resistance has so far made it impossible to stabilize the fiscal system; China continues in the throes of civil war, but business nevertheless continues; Russia makes progress as the government slowly abandons socialism. The quantity of goods moving in international trade as a whole has recovered to the pre-war

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level, although some countries are below, and fully 90% of international business is now based upon stabilized currencies.

On the whole, both our own country and the rest of the world face a more favorable outlook at this turn of the year than for a long time past. We, ourselves, however, need to be on our guard against reckless optimism. What we need is an even keel in our financial controls, and our growing national efficiency will continue us in increasing prosperity.

INTRINSIC ESSENCE OF BUSINESS

Fundamental truths which have been learned about the conduct of business during the experience of man have been set down by the United States Chamber of Commerce. They are practical guides for the individual in his personal affairs as well as ideals which should be attained by every business concern.

1. The foundation of business is confidence, which springs from integrity, fair dealing, efficient service, and mutual benefit.

2. The reward of business for service rendered is a fair profit plus a safe reserve, commensurate with risks involved and foresight exercised.

3. Equitable consideration is due in business alike to capital management, employees, and the public.

4. Knowledge—thorough and specific—and unceasing study of the facts and forces affecting a business enterprise are essential to a lasting individual success and to efficient service to the public.

5. Permanency and continuity of service are basic aims of business, that knowledge gained may be fully utilized, confidence established and efficiency increased.

6. Obligations to itself and society prompt business unceasingly to strive toward continuity of operation, bettering conditions of employment, and increasing the efficiency and opportunities to individual employees.

7. Contracts and undertakings, written or oral, are to be performed in letter and in spirit. Changed conditions do not justify their cancellation without mutual consent.

8. Representation of goods and services should be truthfully made and scrupulously fulfilled.

9. Waste in any form of capital, labor, services, materials, or natural resources is intolerable, and constant effort will be made toward its elimination.

10. Excess of every nature—the inflation of credit, over-expansion, over-buying, over-stimulation of sales—which creates artificial conditions and produces crises and depressions, is condemned.

11. Unfair competition, embracing all acts characterized by bad faith, deception, fraud, or oppression, including commercial bribery, is wasteful, despicable, and a

public wrong. Business will rely for its success on the excellence of its own service.

12. Controversy will, where possible, be adjusted by voluntary agreement or impartial arbitration.—*Associated Contractor.*

THE HAZARD OF FALLING OBJECTS ON CONSTRUCTION JOBS

The fact that even a small object may cause a serious injury in falling a comparatively short distance is specially well known to persons familiar with building construction operations, because falling objects are a prolific source of accidents in connection with work of that kind. There are necessarily many objects, both small and large, on construction jobs, which cannot be fastened in place on account of the way in which they are used; and although numerous safety measures have been recommended to prevent such things from falling, these precautionary plans are not always followed and even when they are followed they are not always wholly effective. Moreover, many of the accidents are caused by the carelessness of the workmen in handling materials and tools, and by unsafe practices of various kinds; and in order to prevent accidents of this type constant supervision, warnings, and discipline are required.

Rivets, bolts, nuts, washers, tools, and pieces of brick, tile, and concrete are some of the small objects that commonly fall and cause injuries to workmen on building construction jobs. For example: On a recent job, a bolt three inches long fell five stories, struck a man on the head and injured him so severely that he lost six weeks' time from his work. In another case an iron washer, 2½ inches in diameter, fell only two stories; but it struck a man's toe and caused an injury

which resulted in three weeks' loss of time. A wrench fell from a workman's pocket, struck a man below, and caused a wound which required hospital treatment. A cut-off end of a bolt fell eight stories, hit the floor, rebounded, and struck a man in the face. Another man nearly lost his life when a piece of concrete fell and struck his head, while he was looking down a shaftway.

These examples are all taken from one particular job, and many others of like nature happened there also. In fact such things are of common occurrence on all building operations. We have no new remedy to prescribe, for the prevention of such accidents, but we still have faith in the efficacy of safety methods and devices that have proved their value in the past. As previously suggested, these may not prevent all the accidents, but they surely do eliminate a large proportion of them; and their value will be increased by every successful effort to secure greater co-operation in safety work on the part of everybody on the job—including the executives of the contracting company.

The means and methods to be used for preventing objects and materials from falling are simple, and most of them can be put into operation with comparatively little labor or expense. For example, it is seldom necessary to pile materials and supplies close to the edges of stair wells, elevator hoistways, or ventilating shafts. It would be just as easy and convenient, and far safer, to store them well away from such openings. It is best to lay the permanent floors as soon as the construction of the other parts of the building will allow; and if temporary or permanent openings are necessary, they should be surrounded by toe-boards at least six inches high, and be provided with strong handrails also. Shaftways for hoists used in transporting workmen and materials should preferably be completely in-

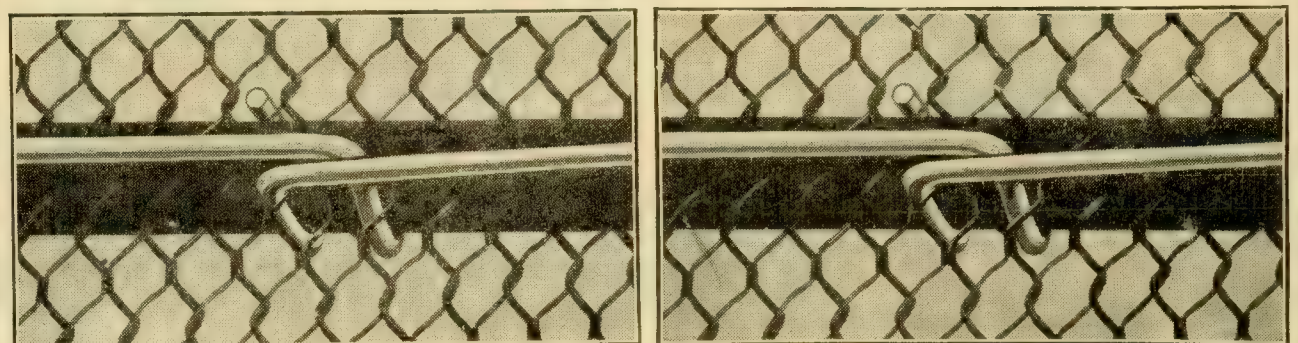
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closed on all four sides, with entrance doors or gates at the various floor levels; and suitable covers should be provided for the hoists.

Whenever scaffolds are used in such locations that objects may fall down upon them from above, they should be roofed over with planking or with firmly secured, heavy wire netting. Railings and toe-boards should also be provided on the scaffolds themselves, to prevent men and materials from falling off. Protective platforms should be installed over doorways and passages that are commonly used by workmen, when work is going on upon scaffolds or walls above them; and all platforms or shields, of this sort should be strong enough to withstand shocks caused by the fall of fairly heavy masses of materials. The planks of which they are made should be nailed in place, and should fit together tightly. They should also bear against the wall of the building so that no space will be left between them and the wall, through which objects might pass.

The skill shown by rivet heaters and members of riveting gangs in throwing and catching hot rivets, is a matter of considerable interest. The rivets are not always caught, however, and they are likely to produce serious injuries in the form of bruises, cuts, or burns, if the catcher misses them and they strike anybody in falling. Rivet-heaters' platforms should therefore be situated as near the riveting gangs as possible, so that long-distance throwing of rivets will be unnecessary. Moreover, special care should be taken to avoid throwing the rivets in such a direction that they may pass outside the building and fall to the street. Sometimes it is practicable to install the rivet-heaters' platform above the riveting gang, and to pass the hot rivets down through a 2-inch conduit or pipe provided for this special purpose.

Users of the public streets should also be protected against injury from objects falling from buildings in course of erection. Substantially constructed sidewalk bridges are usually necessary, and these should extend along the entire frontage of the building. Occasionally, if a high building is being constructed and the street on which it faces is narrow, it is advisable to roof over the entire width of the street. On these high buildings it is also necessary to provide "catch platforms" at several different levels, to catch and retain falling objects. These should be of generous width and the outer edges should be inclosed by strong board fences, or by strong screens of close-meshed wire netting. A surprisingly large quantity of material will collect on a platform of this kind in a short time, including planks, pieces of wood of assorted sizes, lumps of mortar, nails, bolts, rivets, and fragments of brick and tile.

Falls of heavy masses, such as derrick loads and material hoists, are less common, but are usually attended by disastrous consequences. Among the causes of such accidents are overloading the hoisting equipment; the use of dangerously worn cables, slings, chains, and hooks; failure of the brakes on derricks and hoisting motors; neglect to secure derrick loads properly; poor signal work; and carelessness on the part of hoisting engineers. Frequent and thorough inspections by experts are necessary to keep hoisting apparatus in safe condition; and the inspector should have authority to order new equipment to replace any that is found to be dangerously worn or inadequate in strength for the work required of it.

The proper placing of slings about loads is of great importance and should be supervised by men who are thoroughly experienced in such work, and who understand its dangers.

Building construction differs from most other kinds of work in that the conditions change daily, or even hourly, with the progress of the work. For this reason constant watch must be kept for the new hazards that are continually developing, and which should be safeguarded as soon as they become apparent. —*The Travelers Standard.*

SIMPLE UNDERPINNING WITH CAST-IN-PLACE CONCRETE PILES

Usually underpinning a wall or foundation is a costly operation, involving shoring and the danger of settlement and damage, especially if the new foundations have to be carried to a great depth or are in wet or treacherous soil.

Many of the difficulties can often be avoided by a method that has been used for several years, chiefly in New York, whereby concrete piles may be formed under the center line of the wall and carried down, if necessary, to great depths without entering the building, without the use of needle beams or shoring, and without, at any time, impairing the original stability of the structure, but rather improving it. This method, invented by Mr. Jules Breuchaud, was very successfully used by the Underpinning and Foundation Company, New York, to prevent the possibility of the settlement of the walls of a 3-story and basement building adjacent to the site of the Evening Post Building on West Street, where they were sinking a large number of pneumatic caissons, some of them very close to this building, through wet sand and fill more than forty feet below the surface. Before the caisson excavation was commenced the weight of the entire wall was transmitted to the underlying hardpan stratum by a small gang with simple equipment who did not even enter the building.

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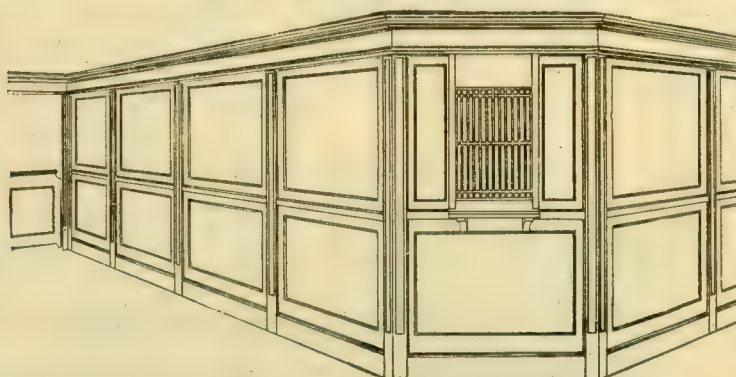
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For each pile a 6 by 10 foot access pit was sunk to the bottom of the wall footing and protected by hand-driven wooden sheet piles. From the bottom of this pit a 4 by 4 foot jacking pit extending under the full width of the wall was sunk to a depth of about seven feet, except in places where it was necessary to go deeper to remove timber and other obstructions encountered in the filled ground. Although only a few hundred feet from the North River, the ground to the bottom of the pit could be kept dry by a moderate amount of pumping. In the bottom of each jacking pit was set a vertical four-foot length of 15-inch steel pipe with a 100 ton Watson-Stillman hydraulic jack on it wedged to bearing against the lower surface of the wall footing.

The jack was operated by hand to drive the pile into the ground while the earth in the interior of it was occasionally removed by a very small orange-peel bucket operated by hand. When the top of the pile was driven down to the bottom of the pit, a second 4 to 6-foot section of the pipe was connected to it with an inside sleeve and the jacking and sinking resumed until the pipe brought up against the hardpan stratum or developed a resistance of more than eighty tons as indicated by the pressure gauge.

After being driven to the required depth the pipe was cleaned out by the Hayward Bucket and was then ready to serve as a shell or form for the concrete pile. It was promptly filled with a mixture of 1 to 2 to 4 Atlas Portland Cement concrete and a bulkhead having been built across the center line of the jacking pit to retain it, the concrete was also filled in around the top of the pile and above it to within about three or four inches of the wall footing.

When the concrete was set there was placed over the top of the pile a pair of 16 by 22 by 1 inch steel bearing plates separated by half a dozen pairs of thin folding steel wedges. The lower wedges were placed with their thin ends at the front of the wall and their thick ends bearing against a wooden stop to prevent them from being displaced when the upper wedges, having their thick ends projecting beyond the face of the wall, were driven to good bearing.

The front part of the access pit was then back-filled to within two feet of the top and the upper part of the bulkhead form removed, leaving the wedges accessible for adjustment if necessary, as

the other piles were driven in a similar manner. Eventually the spaces between and around the wedges and wedging plates will be sealed with grout and the upper portion of the access pit will be filled with concrete forming a continuous construction.

This method has been found very efficient and convenient for placing concrete piles or piers up to four feet in diameter, supporting extremely heavy walls of very tall buildings. If necessary, the pipes can be made large enough for men to enter and do the excavation work and examine and test the bottom, and they can be operated with pneumatic pressure and an air lock, for large sizes, to facilitate work in quicksand or very wet soil.

—Contractors' Atlas.

TEN RULES FOR CHIMNEY CONSTRUCTION*

1. Build all chimneys from the ground up. None of the weight should be carried by anything except their proper foundations. Foundations should be at least twelve inches wider all around than the area of the chimney and be started well below the frost line.

2. Build all chimneys to a point at least three feet above flat roofs, and two feet above the ridge of peak roofs.

3. Chimney walls must be at least four inches thick. A suitable flue lining of fire clay should always be provided therein. For the best results, however, no chimney wall should be less than eight inches (two courses of brick) in thickness, and cement mortar only should be used. (Where chimneys are at least eight inches thick, and a refractory clay brick is used, the flue lining may be omitted.)

4. The walls of brick buildings may form part of chimney if the walls of the chimney are securely bonded to the walls of the building and the flue is lined the same as for an independent chimney. In no case should a chimney or flue be corbelled out more than six inches from the wall, and in all cases the corbeling should consist of at least five courses of brick. Flues in party walls should not extend beyond the center of said walls, and their presence should be permanently indicated on both sides of walls.

5. Build all chimneys large enough to give a separate flue for each fire, using

*This information is extracted from a circular issued by the National Fire Protection Association.

fire clay tile at least three-quarters of an inch in thickness. This is to prevent disintegration of mortar and brick. Such linings also make a smooth flue, which greatly improves the draft.

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6. Do not run floor joists or other woodwork into chimneys or flues, nor allow wood casing, lathing or furring within two inches of chimney breasts.

7. All floor timbers should be "trimmed" clear of the hearths and brickwork of the chimney, so as not to be in contact with it at any point.

8. Line fireplaces with fire brick or cast iron. If ash pits are provided, do not pile wood or rubbish against their doors in basement. Keep free space around them so that ashes can be readily removed and also that coals cannot possibly come in contact with combustible material.

9. Be careful of joints between stovepipes and flues, and use thimbles and connections in accordance with specifications and ordinances. If a stovepipe is taken down to be cleaned, be sure that it is replaced and safely plastered in position.

10. After removing a stovepipe from a chimney, close the opening with a metal flue stop; if the flue connection is left open fire may communicate, and if it is closed by being stuffed full of rags or paper the chances are that it will communicate.

OHIO UNIVERSITY TO STUDY BUILDING INDUSTRY

Bureau of Business Research of Ohio State "U" to Make Comprehensive Survey

A study of the construction industry in all its phases is to be made by the Bureau of Business Research of Ohio State University which will follow the outline submitted by R. J. Watkins, of the Ohio State Association of Builders' Exchanges.

Mr. Watkins is also conducting two separate surveys himself, one covering weather and construction and the other employment of building mechanics in Ohio cities. In addition, he is conducting a preliminary survey relative to computing cost of construction index for the state of Ohio.

The following is a tentative outline which the Bureau of Business Research will use in the study of the construction industry:

1. The importance of the construction industry and the great influence which it has on the business structure as a whole warrant a comprehensive study of this industry.

a. It is estimated that from 8 to 12 per cent of the national income is spent in construction.

b. Approximately two and one-half million workers are employed in the construction industry, not to mention the hands of those workers in industries which are directly related to the construction industry, such as saw mills, wood-

working establishments, cement plants, iron and steel plants, brick and tile plants, stone quarries, etc.

c. The total value of construction in the United States in 1924 is estimated at approximately six billion dollars.

d. The construction industry has been termed by Secretary Hoover "the balance wheel of American industry" and the Department of Commerce further states that "the construction industry has served as a remarkable stabilizing and stimulating factor for business as a whole since 1921."

e. Almost all of the economic services in the country are of the opinion that the boom in the construction industry since 1921 has been primarily responsible for the continuance of prosperous conditions in business as a whole.

2. Complete statistical analysis of construction data for Ohio and its principal cities.

3. Determination of the effect of the weather on construction in Ohio.

4. Determination for each important city of Ohio on monthly indices of employment in each important building trade.

5. A study of the possibility of making correlation studies in order to show the value of construction statistics as barometers of business in general.

Tests recently conducted at the University of Wisconsin, under the direction of the Engineering Society of that state, demonstrated that lime-cement mortars are most satisfactory for use in cold weather. Eight lime and portland cement mixes and four bricklayers cements were tested under air storage conditions which approximate ordinary field construction curing conditions.

Mortar mixed in the proportion of 1 part of portland cement, 2 parts of lime, and 9 parts of sand by volume gave uniform satisfaction under both warm and cold storage conditions and had a high rating in shear, tensile and compressive strength. The high plasticity of this mix also played an important role in its selection as first on the list of mortars recommended by the committee.

The conclusions drawn by the committee in charge of this work are:

1. With all cements save one, freezing decreased the bond strength of the mortar to the brick. In most cases this decrease was very marked. In the exceptional case, where there was no apparent injury due to freezing the bond strength after curing in warm or freezing temperatures was very low.

2. Curing at low temperatures just above the freezing point of water adversely affected the bond strength to a less extent than during under freezing temperatures.

3. Basing judgment on the unit stress at flaking of mortar, it appears that curing at temperatures near the freezing point had little effect on the crushing strength of the mortar in the bonded brick. On the other hand, freezing appears to have had a weakening effect on the crushing strength.

4. From the above evidence it appears that freezing is detrimental to the strength of mortars which are commonly used in bricklaying.

5. From the standpoint of strength the following mortars gave the best results:

1 vol. Port. cement to 2 vol. hyd. lime to 9 vol. sand.

1 vol. Port. cement to 1 vol. hyd. lime to 6 vol. sand.

2 vol. Port. cement to 1 vol. hyd. lime to 9 vol. sand.

1 vol. Port. cement to 2.3 vol. Q. lime paste to 6.7 vol. sand.

1 vol. Port. cement to 2.3 vol. Q. lime paste to 10 vol. sand.

1 vol. Port. cement to 1.5 vol. Q. lime paste to 5 vol. sand.

1 vol. Port. cement to 1.5 vol. Q. Lime paste to 7.5 vol. sand.

1 vol. Port. cement to 3 vol. of sand.

Of these mixes those containing 1 volume of cement to 2 volumes of lime (hydrated or paste) to 9 volumes of sand are the most economical. Mixes containing equal volumes of cement and hydrate (or paste) though somewhat more costly were stronger especially at one month.

6. Mixtures of lime and Portland cement were much more plastic and easier to work than the mortar made with Portland cement and sand. The mixtures containing equal parts of hydrated lime and Portland cement and one part hydrated lime to two parts Portland cement exhibited considerably higher adhesion to the brick than the Portland cement mortar.

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Ideals are like stars; you will not succeed in touching them with your hands, but like the seafaring man on the desert of waters, you choose them as your guides, and, following them, you reach your destiny.—Carl Schurz.

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Harsch, Wm. F.Narberth, Pa.
Shaw, Frederick, Juniper and Cypress Sts., Phila.
COLD STORAGE (Insulation and Covering)
Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.
COLUMNS (Metal).
Pearce Fireproof Co.1911 N. 2nd St., Phila.
CONCRETE SEWER PIPE.
Stroudsburg Septic Tank Co..328 Chestnut St., Phila.
CONCRETE WORK.
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Shaw, Frederick, Juniper and Cypress Sts., Phila.
CONTRACTORS' EQUIPMENT
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CORK FLOORING
Livezey, John R. Glenwood Ave. w. of 22nd St., Phila.
CURTIS WOODWORK.
Gillingham Co. ...Norris and Richmond Sts., Phila.
DAILY BUILDING NEWS.
Building News Pub. Co. ...1530 Chestnut St., Phila.
DAMP-PROOFING.
Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.
Arnett Bingswanger.....829 N. 3rd St., Phila.
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Truscon Laboratories.....1505 Race St., Phila.
DOOR BEDS
Murphy Door Bed Co....512 Bulletin Bldg., Phila.
DRAWING MATERIALS.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.
EXCAVATING.
Harsch, Wm. F.Narberth, Pa.
McCarrick Bros.....3240 N. Fox St., Phila.
Sanitary Engineering Co....40 S. 52nd St., Phila.
FENCES.
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Potts, Horace T., & Co. ...Erie Ave. & "D" St., Phila.
Reisbord, Wolf4437-43 Ludlow St., Phila.
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The Kolsky9th & Walnut Sts., Phila.
Trage Extension Corp., 1011 Chestnut St., Phila.
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FILES.
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Parkway, Phila.
3rd St., Phila.
Race St., Phila.

ND RANGES.
Fleck Bros.44 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Richardson & Boynton Co.1308 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.
GARAGE HEATERS.
Fleck Bros. Co.50 N. 5th St., Phila.
GAS RANGES.
Abram Cox Stove Co.,
American and Dauphin Sts., Phila.
Fleck Bros. Co.50 N. 5th St., Phila.
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Philadelphia Gas Range Co.1026 Arch St., Phila.
Richardson & Boynton Co.1308 Arch St., Phila.
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Clausen, Wm. H.27th and Diamond Sts., Phila.
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Philadelphia Fire & Marine Ins. Co.,
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Montgomery Iron & Steel Co. 918 W. Berks St., Phila.
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Camden Tile Co.Camden, N. J.
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Roman Mosaic & Tile Co.435 Green St., Phila.
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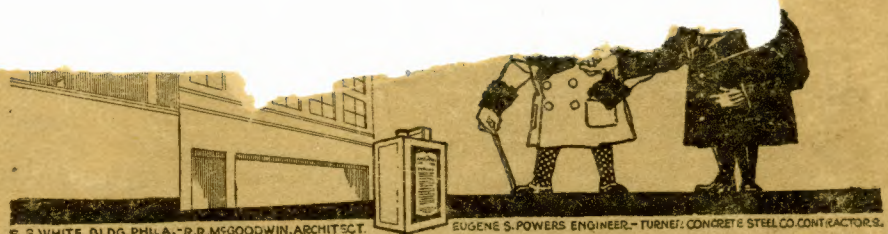
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